

FIG. 1A

Fig. 1B

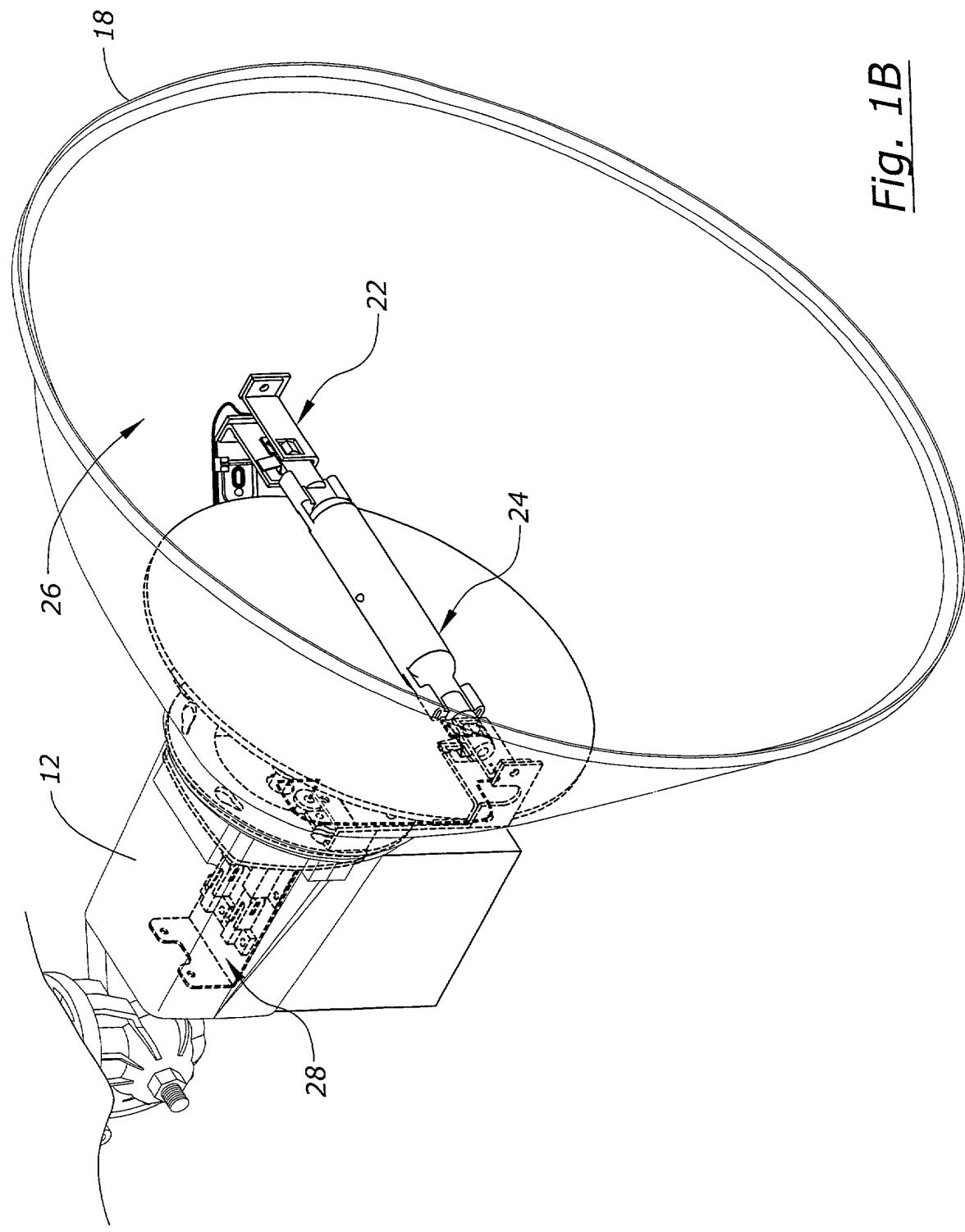


Fig. 1C

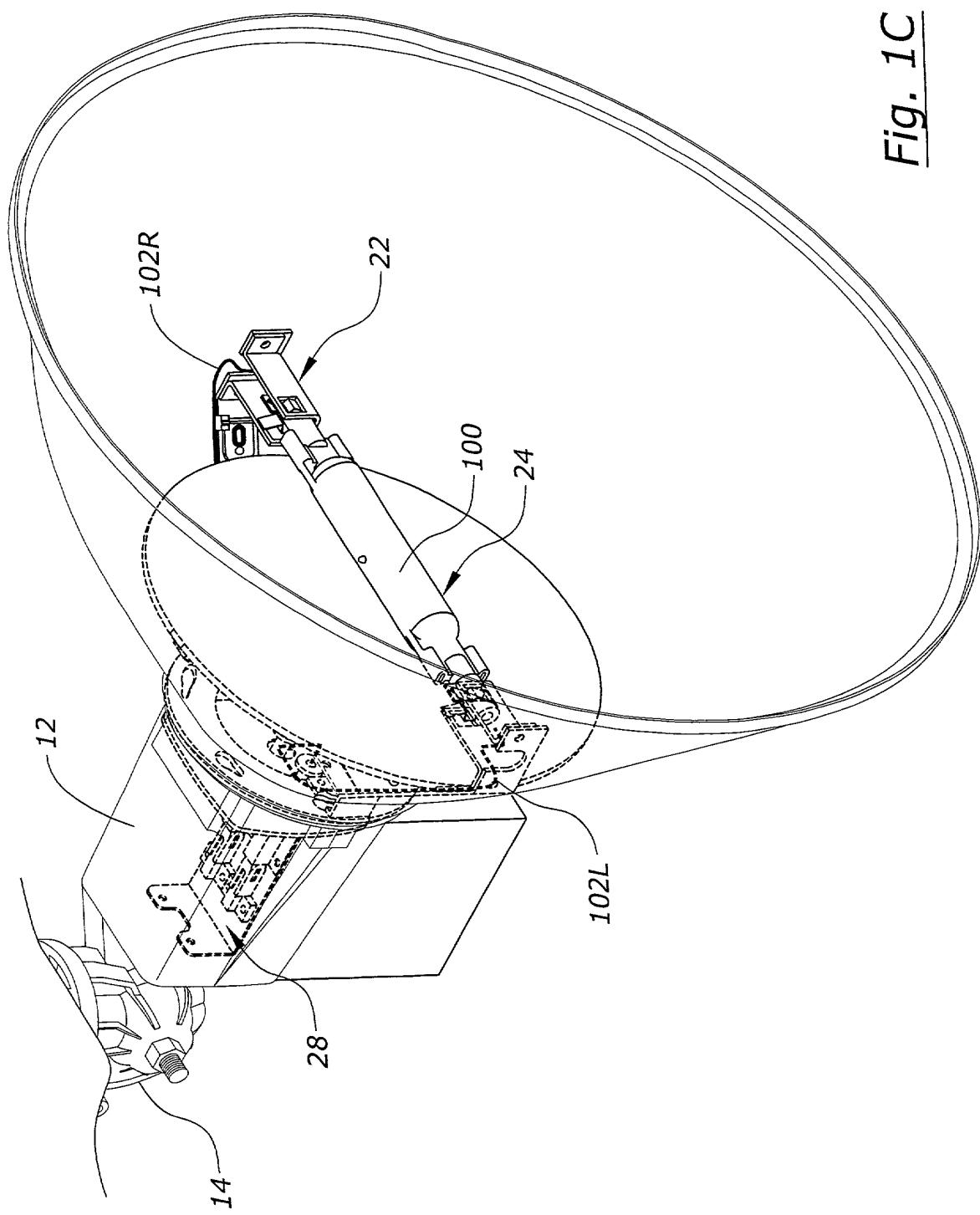
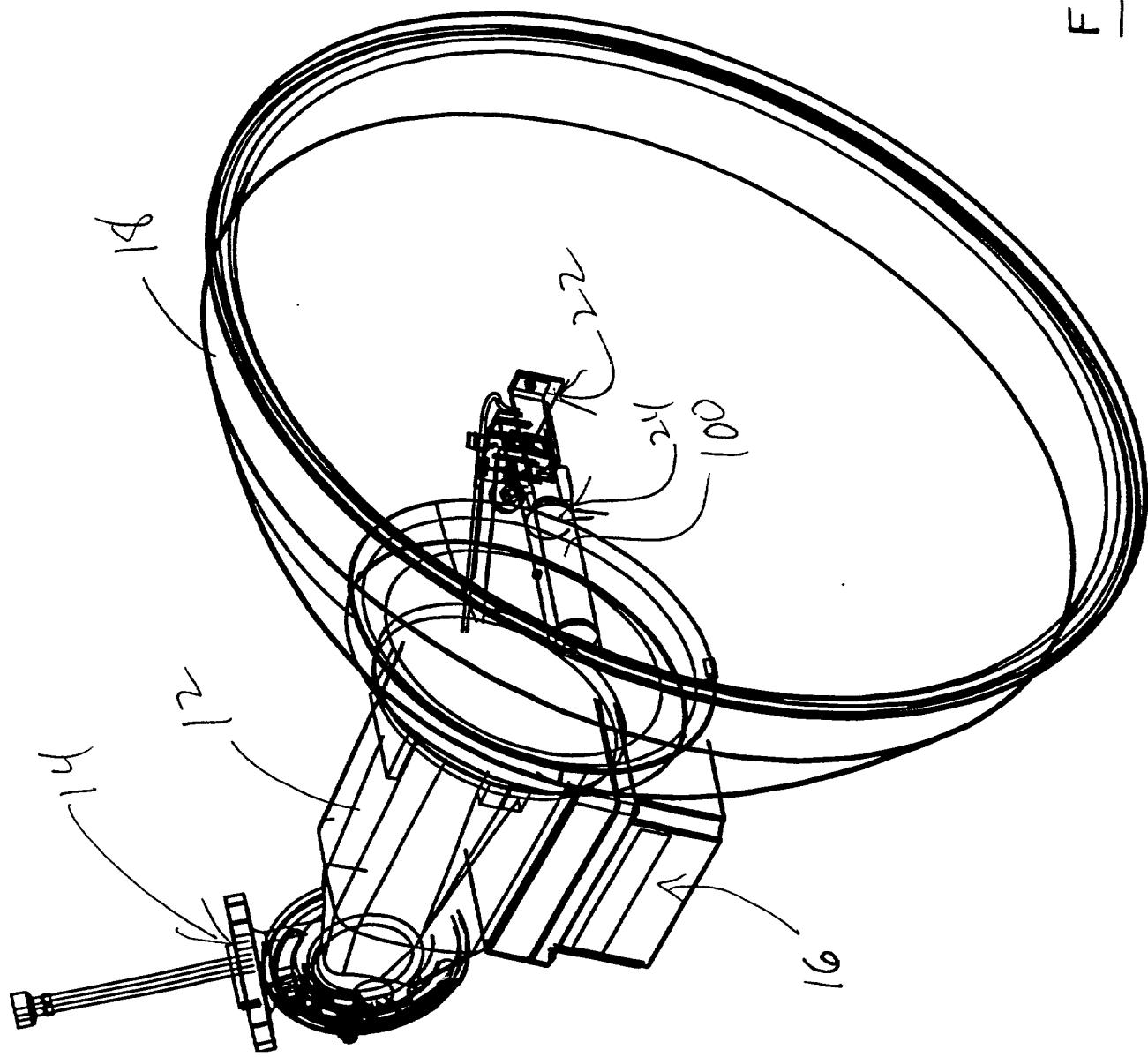


FIG. 1D



- 81 -

FIG. 1E

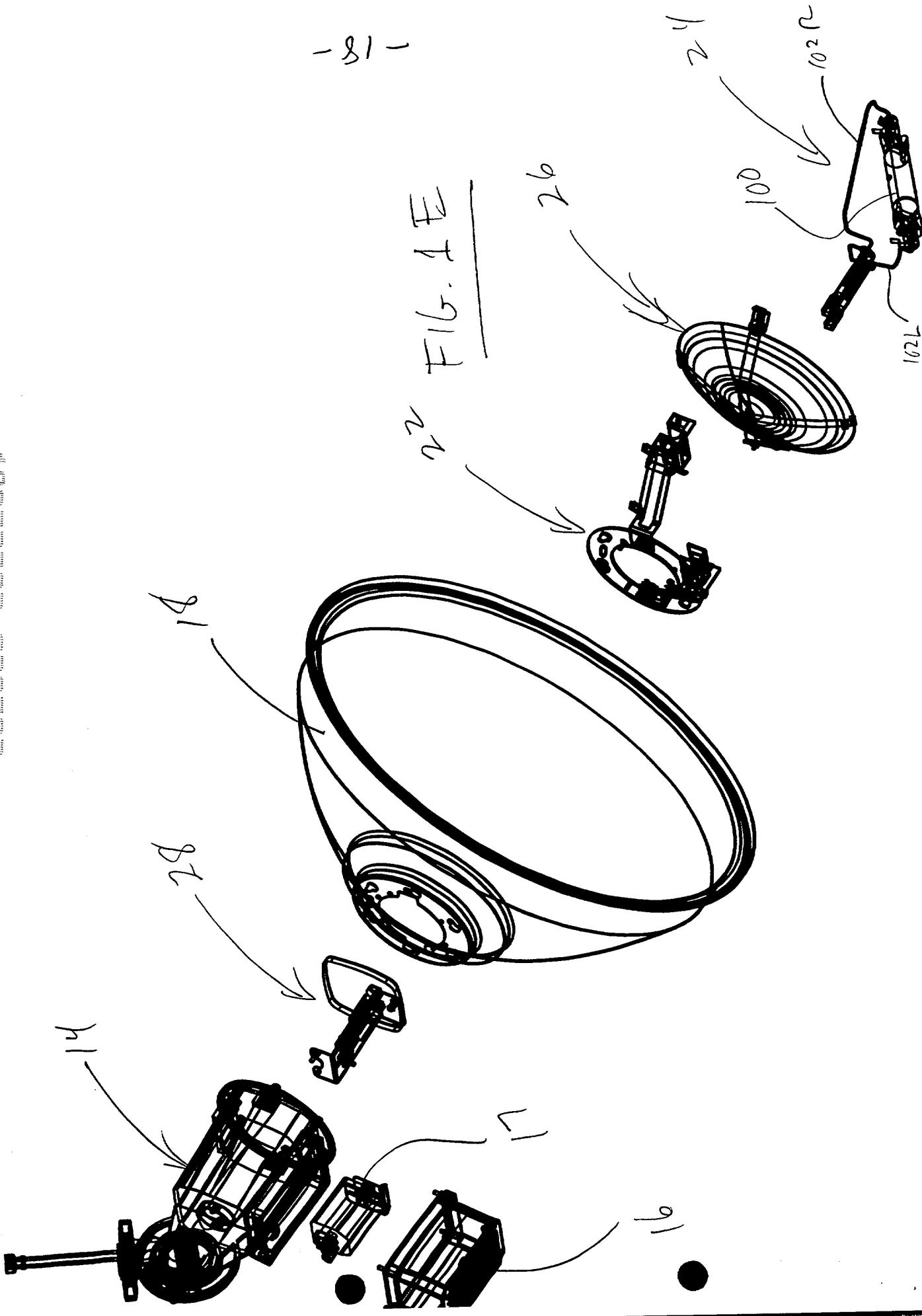
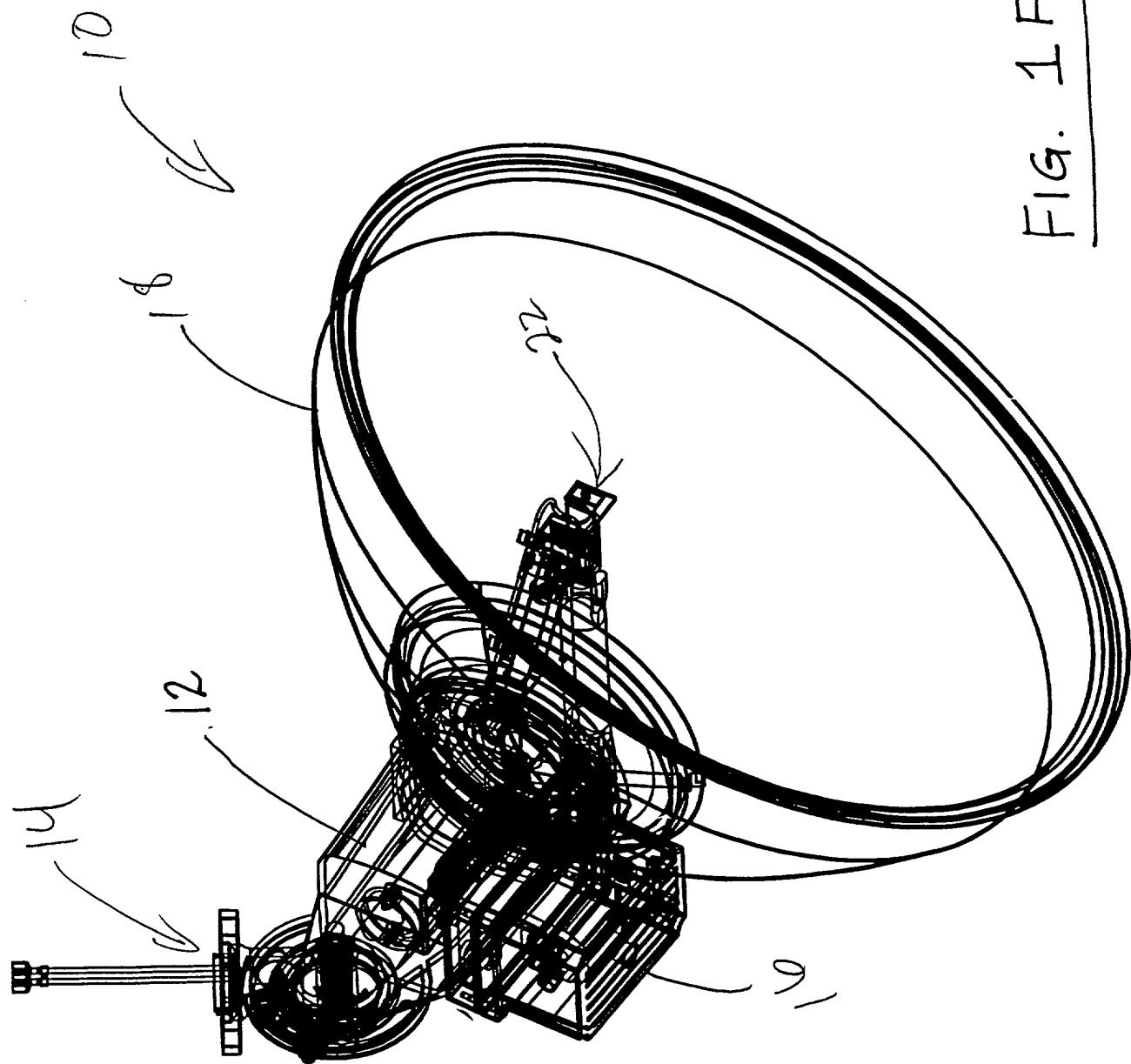
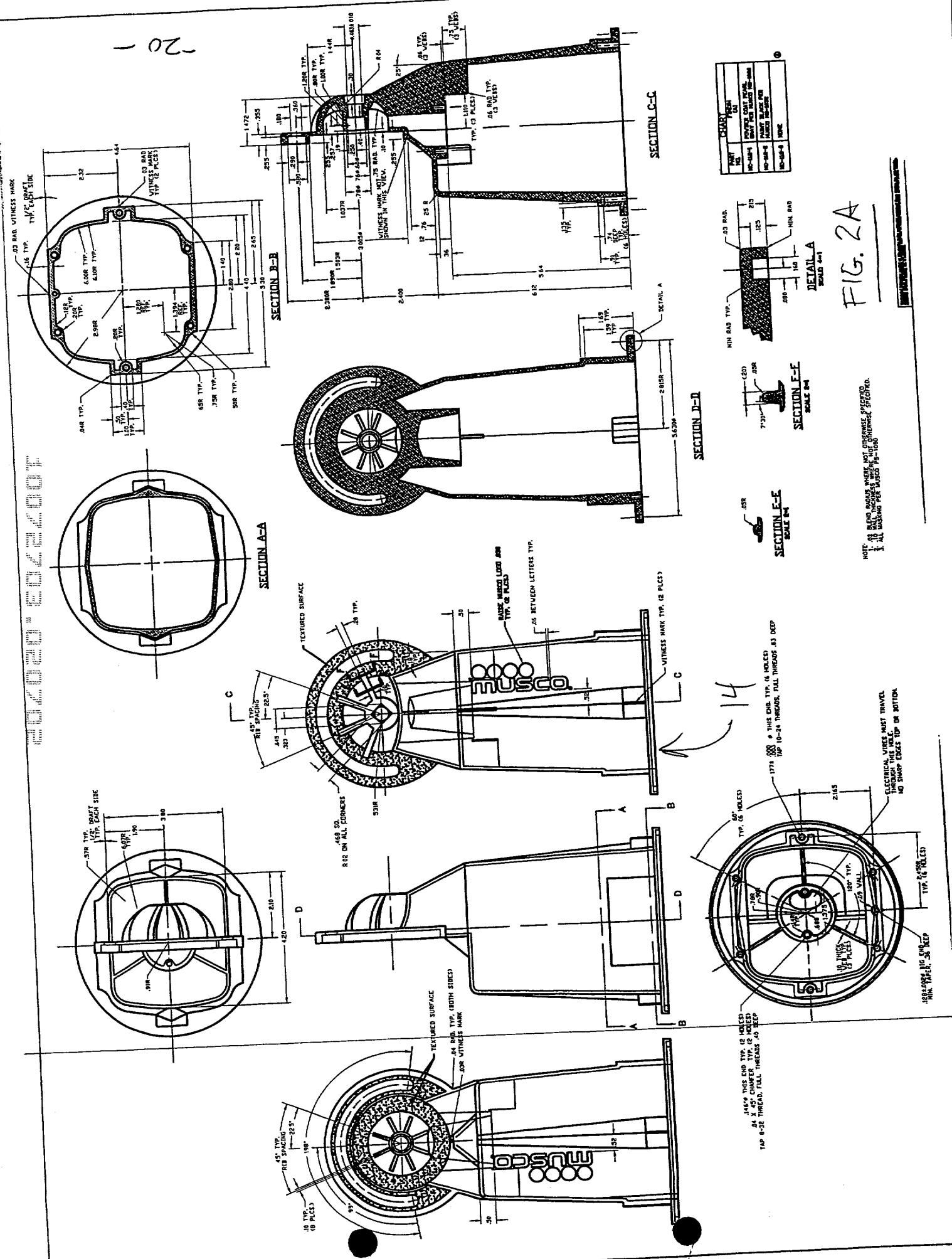


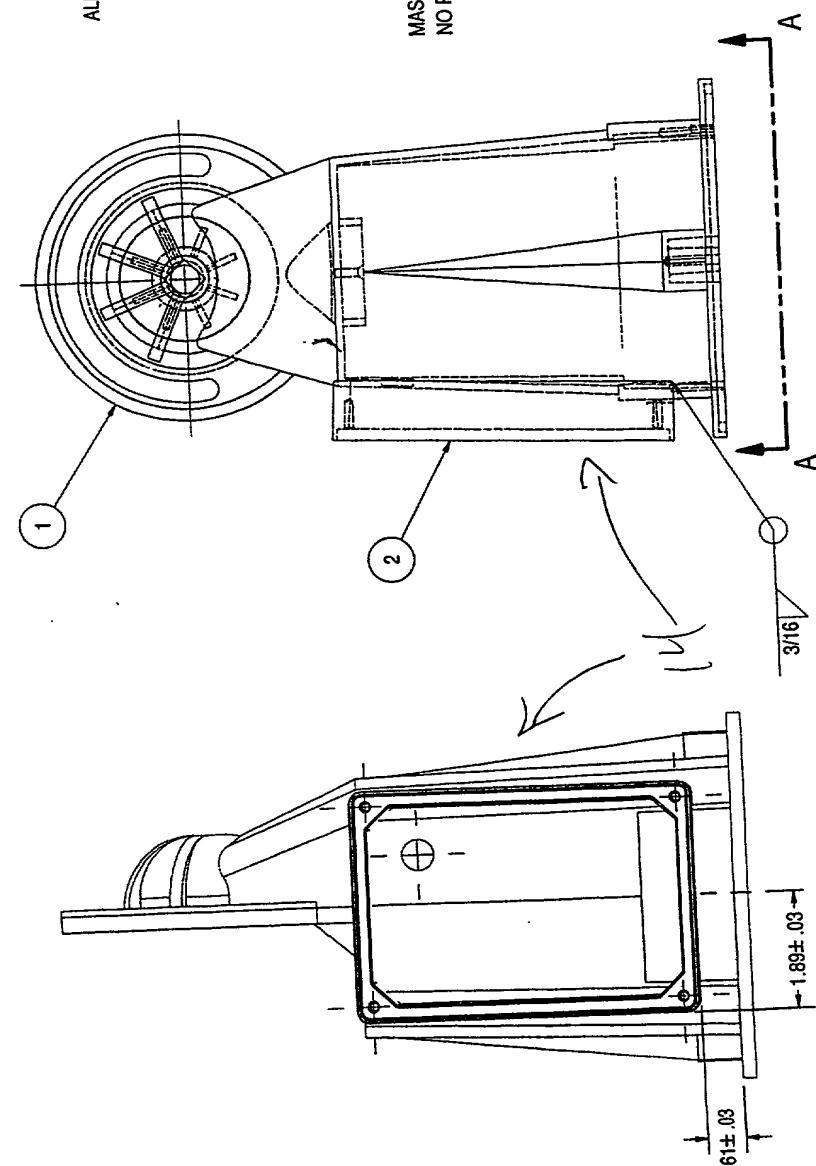
FIG. 1 F





ALL HOLE MUST BE CLEAN AND FREE OF OIL

BILL OF MATERIALS PER UNIT			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	2K Lampcone	
2	1	Ignitor Box 2K	



View A-A

CONTROLLED COP:

FIG. 2B

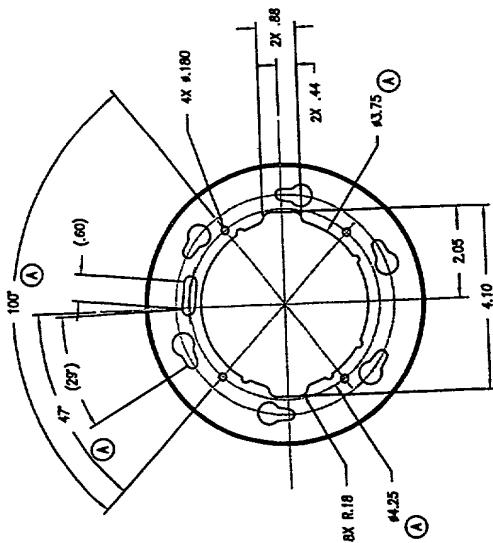
NOTE:
1. ALL WELDING PER MUSCO PS-1148.

TITLE: Lampcone Weldment - 2K

1" MAX: ± 0.02
ANGLES: $\pm 1^\circ$
LINES: SPECIFIED
DIMENSIONS IN INCHES
ANSI Y14.5-1984

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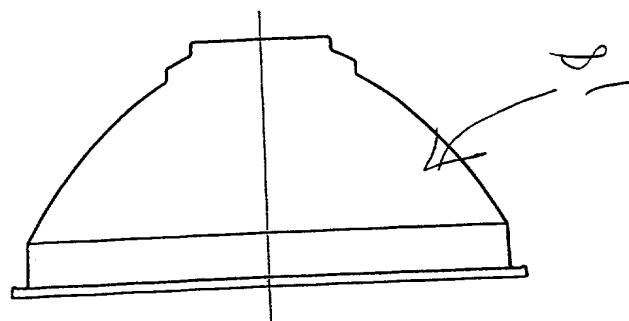
- 22 -



DETAIL C SCALE: 2X

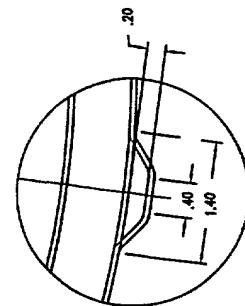
SCALE: 2X

115. 3



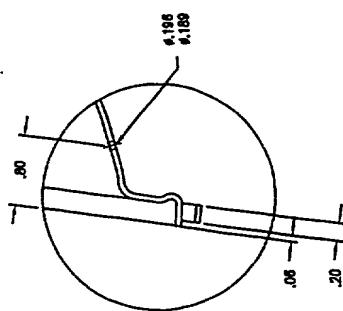
DETAIL "B"

N.T.S.



SECTION A-A

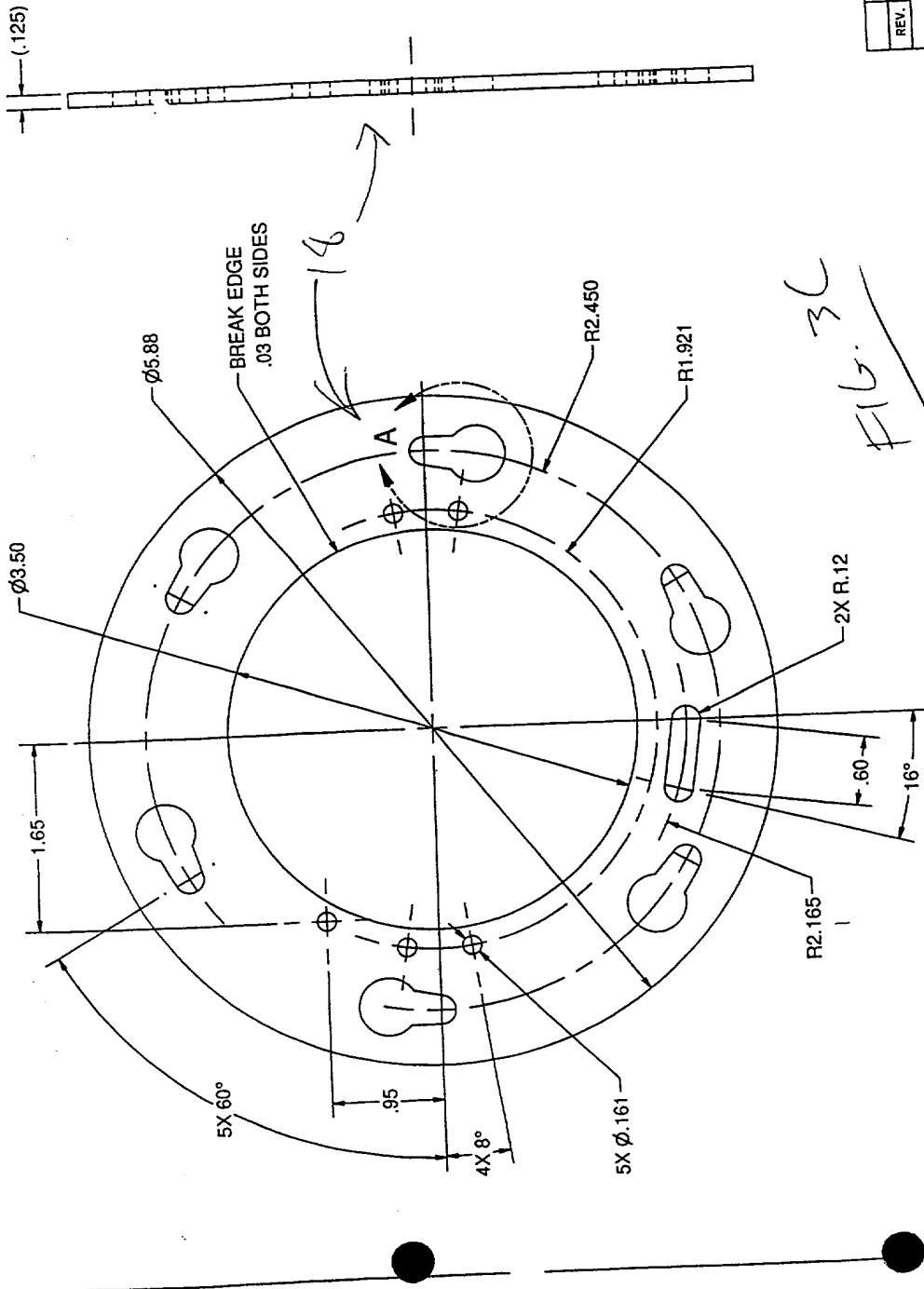
1175



Technical cross-sectional diagram of a bearing assembly. The diagram shows three concentric rings: an outer ring, a middle ring, and an inner ring. The inner ring has a shoulder. A cross-hatched area is labeled 'C'. A detail view 'A-A' is shown at the bottom right, and a detail view 'B' is shown at the top left.

NOTE: REMOVE ALL BURRS, BREAK ALL EDGES AND SHARP CORNERS .01 MIN.

MANUFACTURING: MARYLAND, U.S.A. 20777
 COMPANY OFFICES: OGDEN, UTAH 84401
 MATERIAL: REFLECTOR: NEMA 2B
 MUSCO PAN RA-100-2B
 FINISH: None
 TITLE: REFLECTOR - 2K
 NEMA 2B

6X Detail A
Scale 2 : 1

REV.	DESCRIPTION	DRWN	DATE	CH
	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSHKOSH, WI 54902			
	MATERIAL: 125 THK ALUMINUM 5052-H32			
	FINISH: SEE NOTES			

NOTE:
1. REMOVE ALL BURRS, BREAK ALL EDGES AND
SHARP CORNERS .01 MIN.
2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F,
TYPE II, CLASS 1, CLEAR, LIGHT ETC.
3. PARTS TO BE CLEAN AND FREE OF OIL,
GREASE AND DIRT.

ANSI Y14.5 1994

2D ANGLE PROJECTION

ANGLES: 1° 32'

FRACTION: 1/32

UNLESS SPECIFIED
DIMENSIONS IN INCHES

ANSI Y14.5 1994

1/2

1/2

1/2

1/2

1/2

1/2

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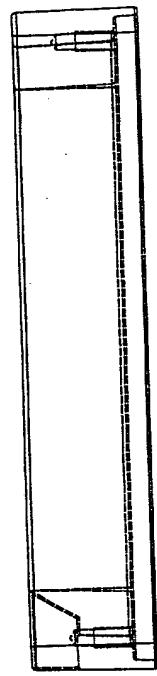
1/2

1/2

1/2

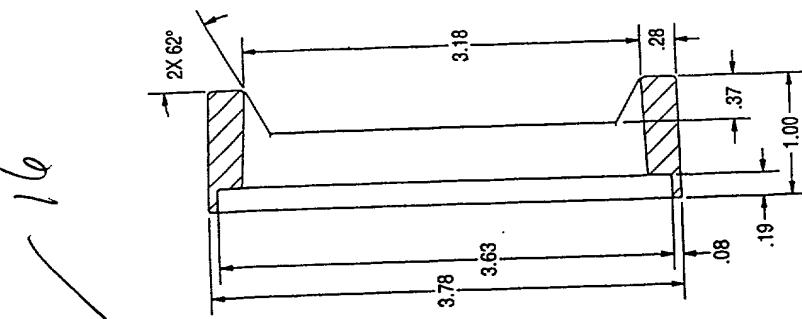
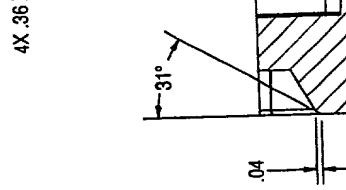
1/2

1/2

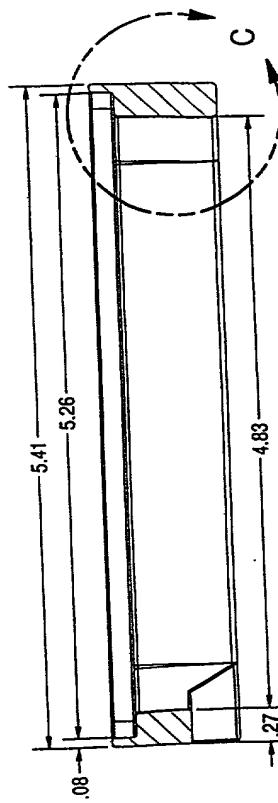


4X Ø.136 X .467Y
#8-32 UNC-2B
.31 FULL THREAD
.46 X V OF THREAD

4X View D-D



Section B-B



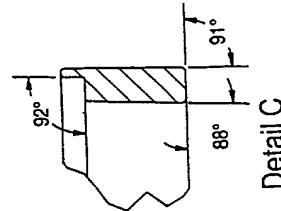
Section A-A

NOTE:

1. ALL FILLETS AND RADI.02 UNLESS NOTED OTHERWISE.
2. REMOVE ALL BURRS, BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
3. DRAFT ANGLE APPLIES ALL AROUND FEATURE AS SHOWN IN DETAIL "C".

SCALE: 1 / 2

- 25 -



Detail C

MANUFACTURING: MUSCATINE, IA 52641	
CORPORATE OFFICE: OSAKA, JAPAN	
MATERIAL:	ALUMINUM TYPE 360
FINISH:	NONE
TITLE:	Ignitor Box 2K
B	

Dimensions in inches

ANSI Y14.5-1994

TOLERANCES:

.005

.005

.005

.005

.005

.005

.005

.005

.005

.005

.005

.005

.005

.005

.005

.005

.005

.005

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- 26 -

NOTE:

1. ALL FILLETS AND RADII .03 UNLESS NOTED OTHERWISE.
2. REMOVE ALL BURRS. BREAK ALL SHARP CORNERS .01 MIL.
3. DRAFT ANGLE IS 2° UNLESS NOTED OTHERWISE.

2. REMOVE ALL BURRS. BREAK ALL SHARP CORNERS .01 MIN.

3. DRAFT ANGLE IS 2 UNLESS NOTED OTHERWISE.

Section D-D

  **WPS** **WORLD PRODUCTION SYSTEM**

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PLANO LUMBER INC., ITS SUBSIDIARIES,
AND ITS AFFILIATES.

 MATERIAL: ALUMINUM TYPE 380		MANUFACTURING: MURCATHE, LA 87161 CORPORATE OFFICE: OKLAHOMA, LA 87177
TOOLBRACES: AX 1.0N SWV 1.0N FRACUT: 1/8" x 1/2 ANGLES: 90° <small>UNLESS SPECIFIED DIMENSIONS IN INCHES</small>	FINISH: POWDER COAT PEARL GRAY MUSCO # MS-1020	TITLE: Ignitor Lid 2K

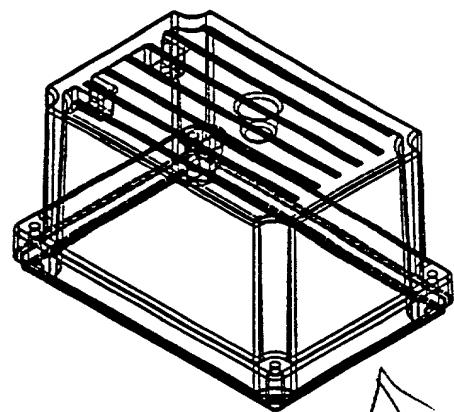


FIG. 4C

SCALE: 1/2

16

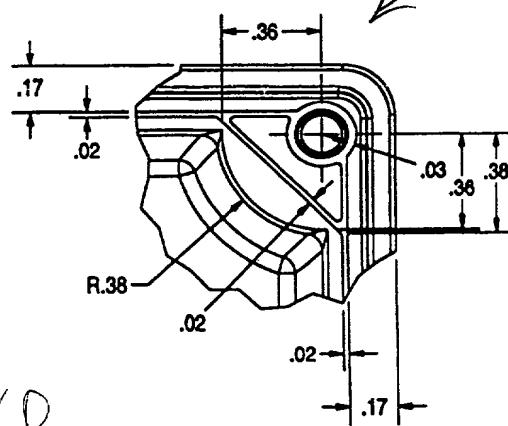


FIG. 4D

4X Detail C

Scale 2:1

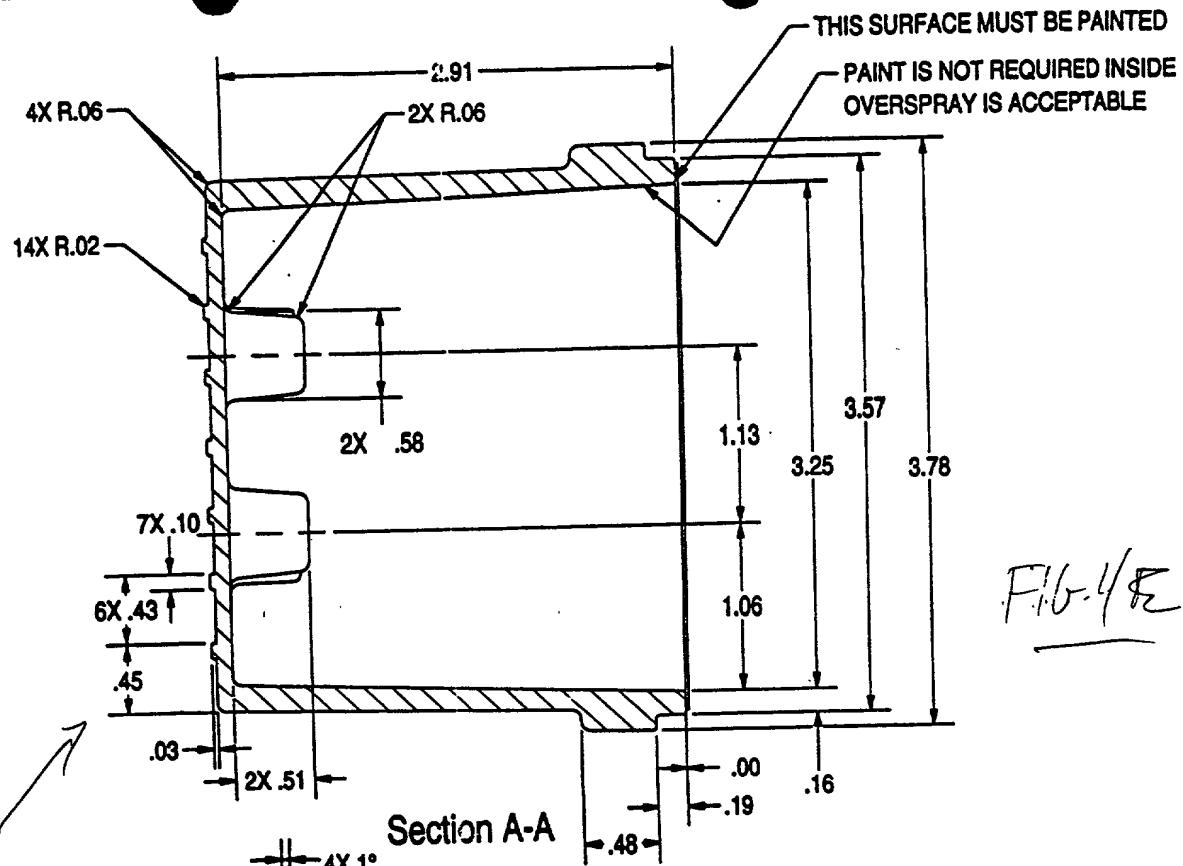


Fig-4E

Section A-A

16

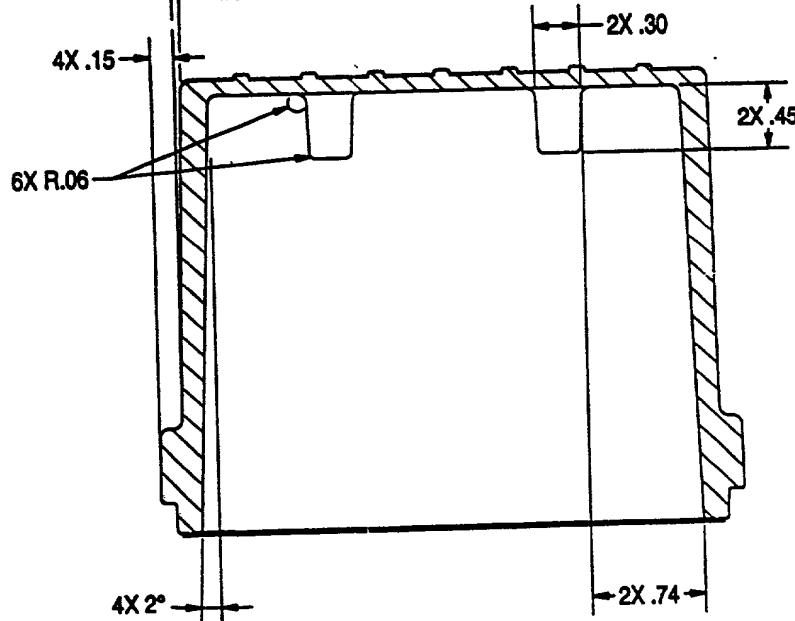


Fig-4F

Section B-B

-28-

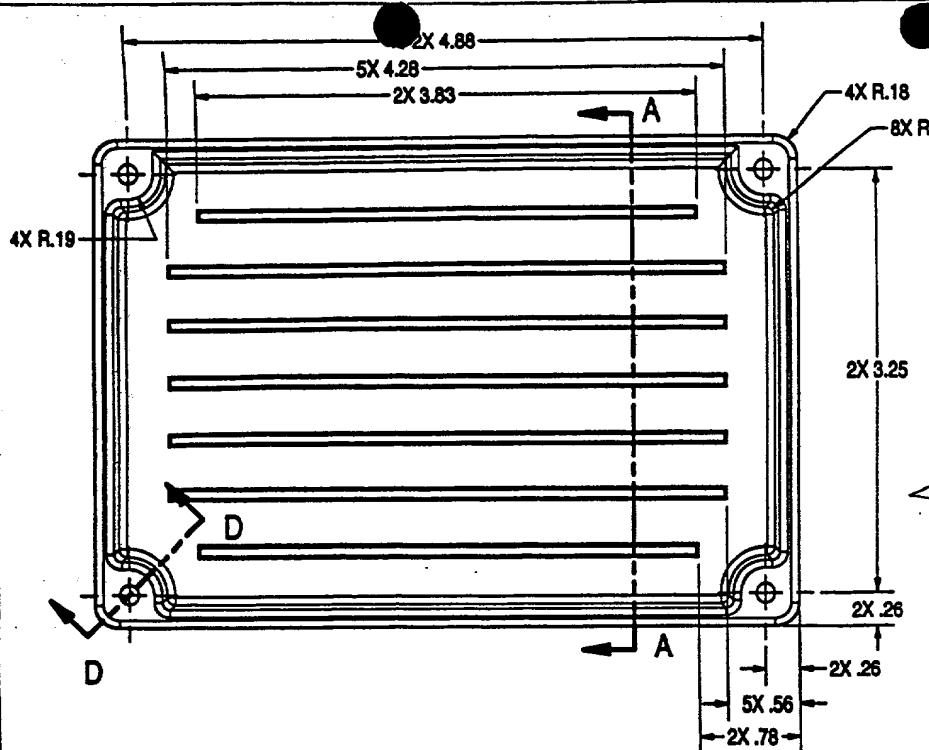


FIG. 4G

16

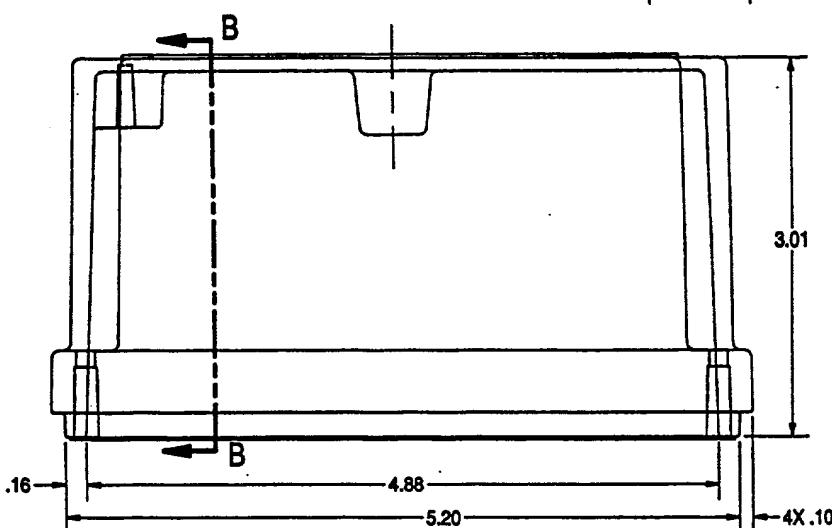


FIG. 4H

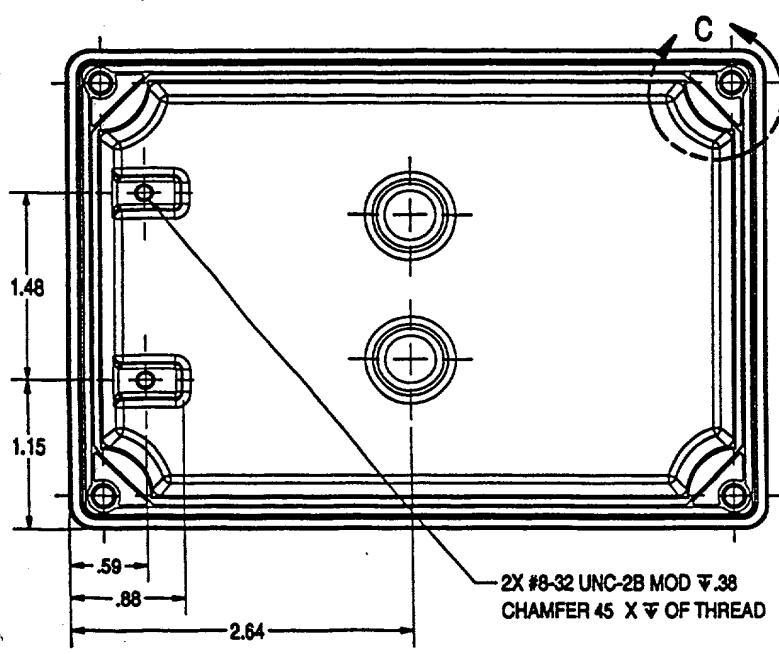


FIG. 4I

- 29 -

OF MATERIALS PER UNIT			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	999-MT120	2K Lamp with Coating - Sylvania
2	2	LS-3425-1	2K Lamp Connector
3	2	LS-3500-1	Lamp Spring Clamp - 2K
4	2	Hdw-1087-1	Screw 6-32 x 3/16" lg button head
5	2	Hdw-1089-1	Locknut 6-32
6	2	Mt-920	Connector socket
7	2	Ls-3479-1	Lamp lead sleeving

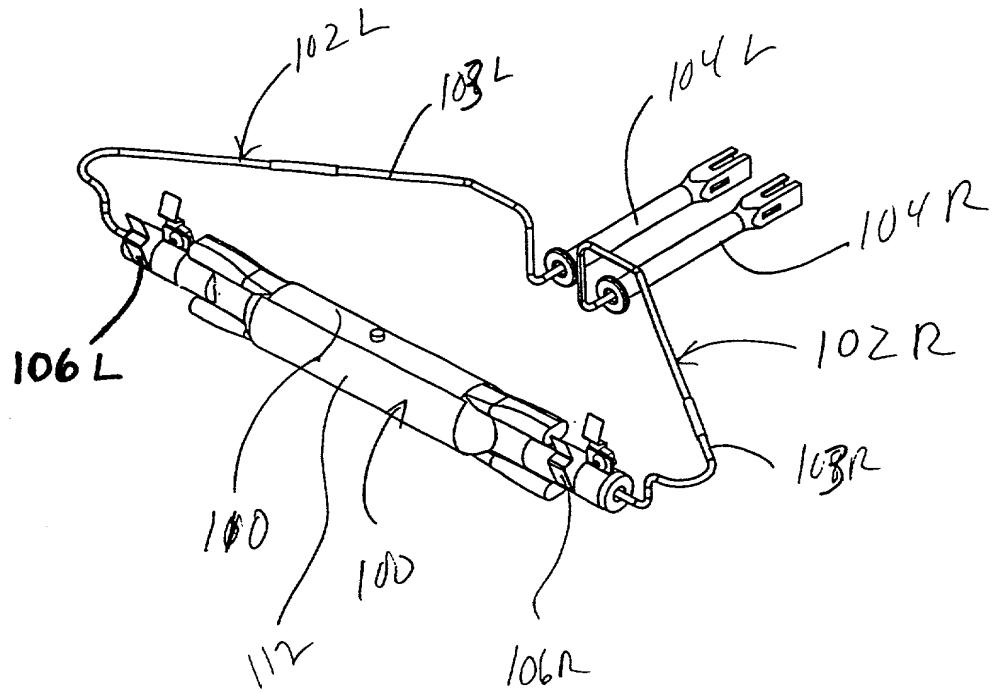
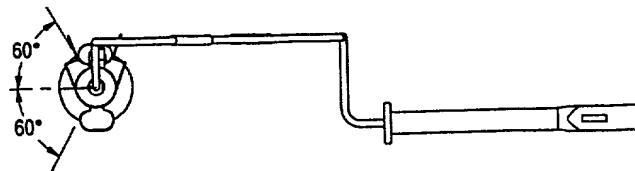


FIG. 5A

PART NO.
Ls-3406-1



COATING MUST BE CENTERED $\pm 5^\circ$ WHEN LAMP IS PLACED INTO LAMP HOLDERS

FIG. 5B

REV.	DESCRIPTION	DRWN	DATE	CH
	 MUSCO <i>Lighting</i>			
	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA, 52577			
	MATERIAL: SEE ABOVE			
	FINISH: NONE			
	TITLE: Lamp Assembly - 2K	C	PART NO. Ls-3406-1	

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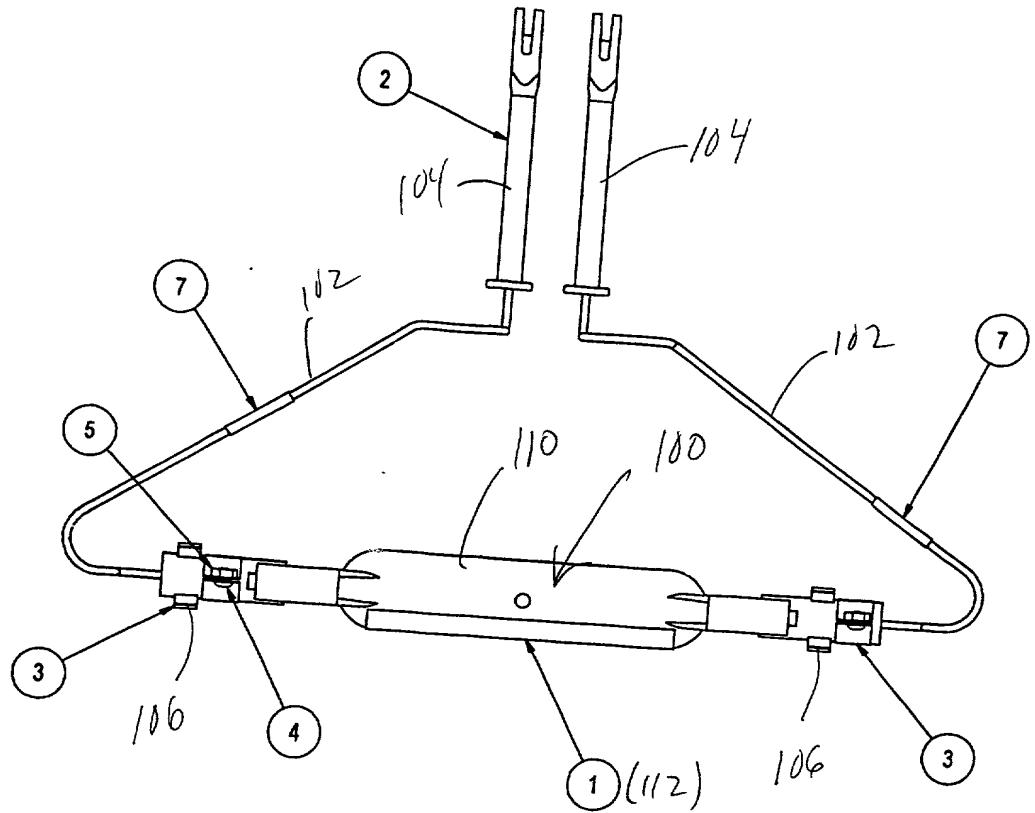
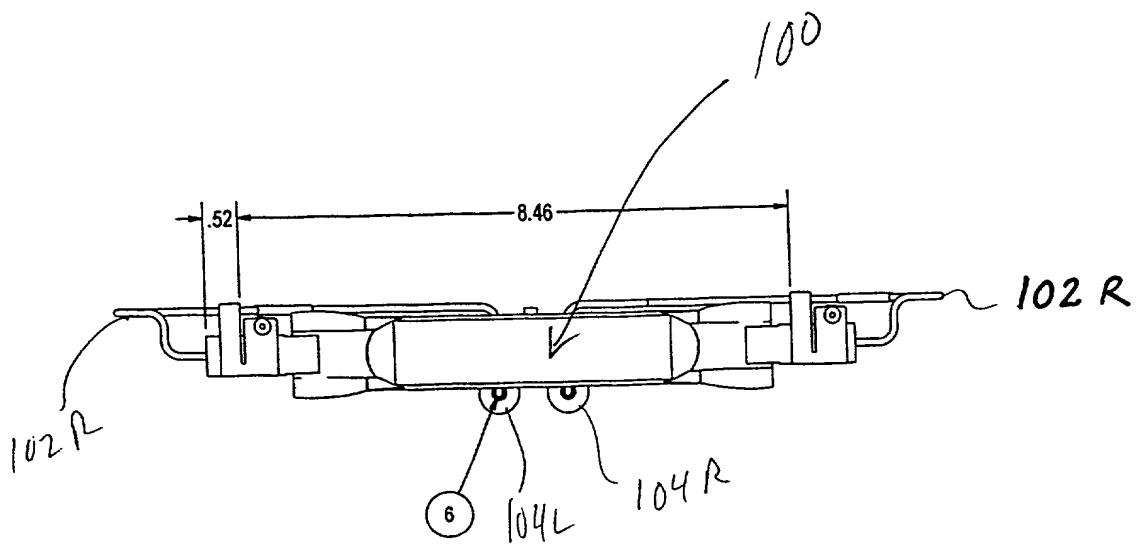


FIG 5C

100070303 030703

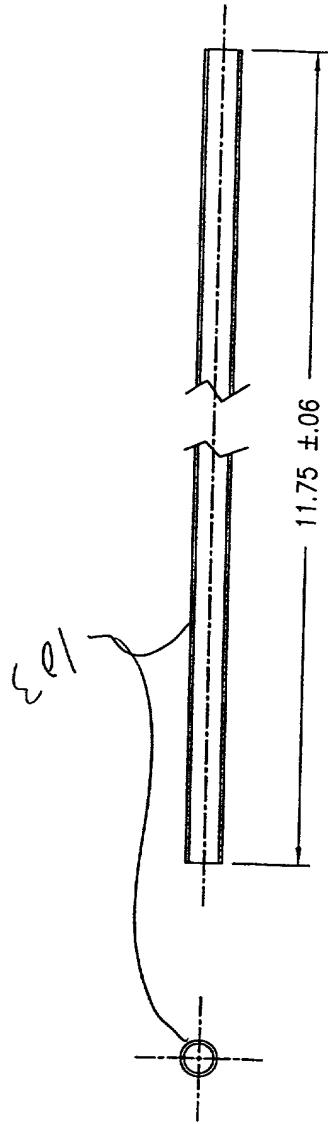


NOTE:

1. DO NOT TOUCH WITH BARE FINGERS. HANDLE LAMP W/ WHITE COTTON GLOVES.
2. LAMP CAN BE CLEANED WITH DISTILLED WATER OR ALCOHOL. DRY LAMP CAREFULLY WITH COTTON OR CLEAN CLOTH

FIG. 5D

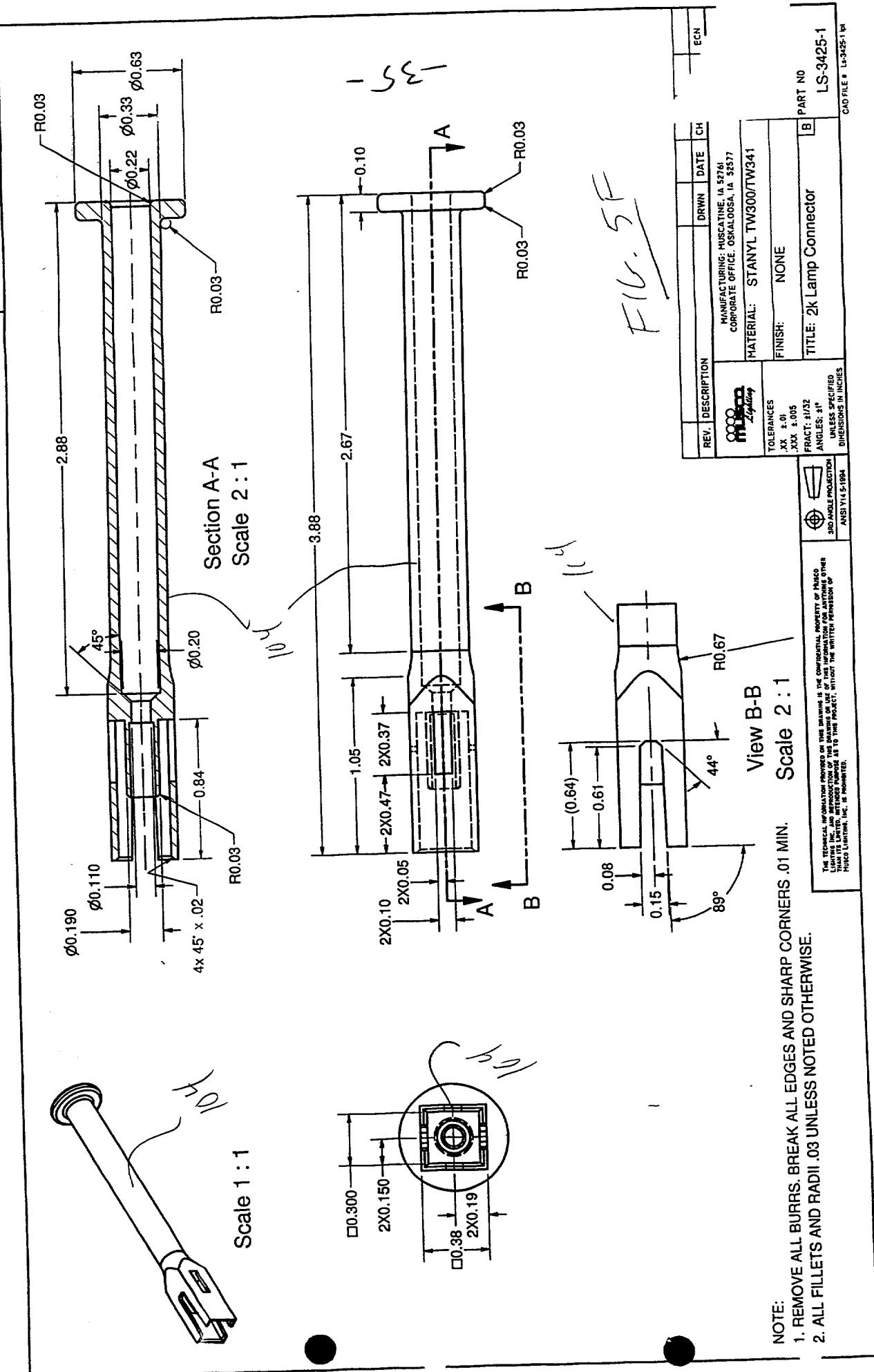
PART NO
LS-3479-1



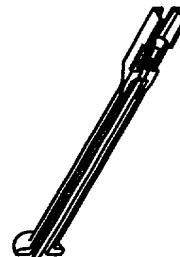
NOTE:
1. MATERIAL: HILEC INC. FIBERGLASS SLEEVING 710C #9.
2. COLOR: WHITE

	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA 52577	MATERIAL: SEE NOTE	SCALE: 2=1
	FINISH: NONE		PART NO.
TOLERANCES:			LS-3479-1
.XX	±.01		
.XXX	±.005		
FRACT:	±1/32		
ANGLES:	±1°		
UNLESS SPECIFIED			
DIMENSIONS IN INCHES			
3RD ANGLE PROJECTION			
ANSI Y14.5-1994			

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10



Section A-A
Scale 1:1

A technical line drawing of a mechanical part, possibly a bracket or a frame. The drawing shows a central vertical column with horizontal flanges at the top and bottom. A scale bar is located in the upper right corner, labeled '0.50'. A callout line with the text 'Section A-A' and 'Scale 1:1' points to the top flange.

7/15. 56

- 36 -

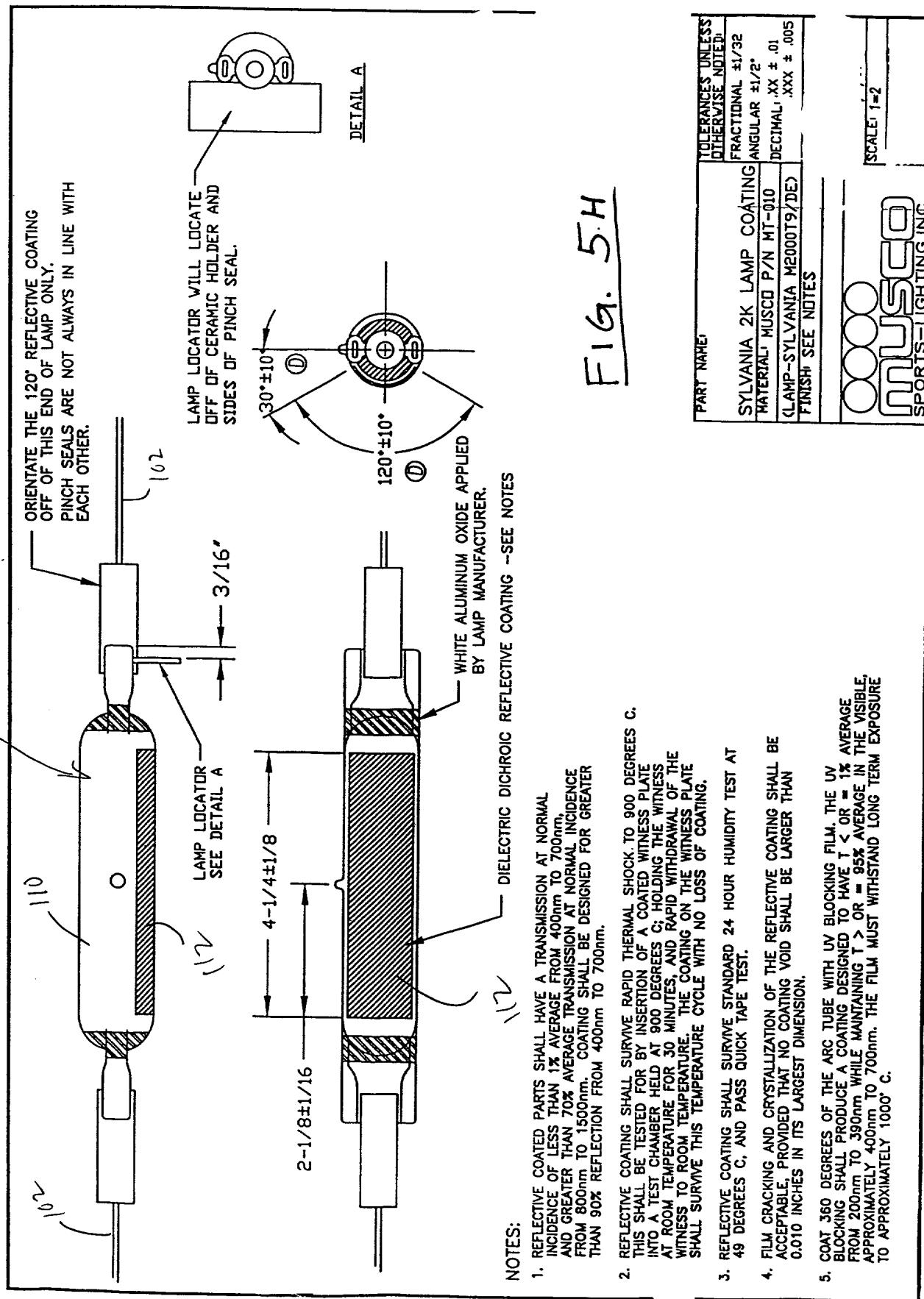


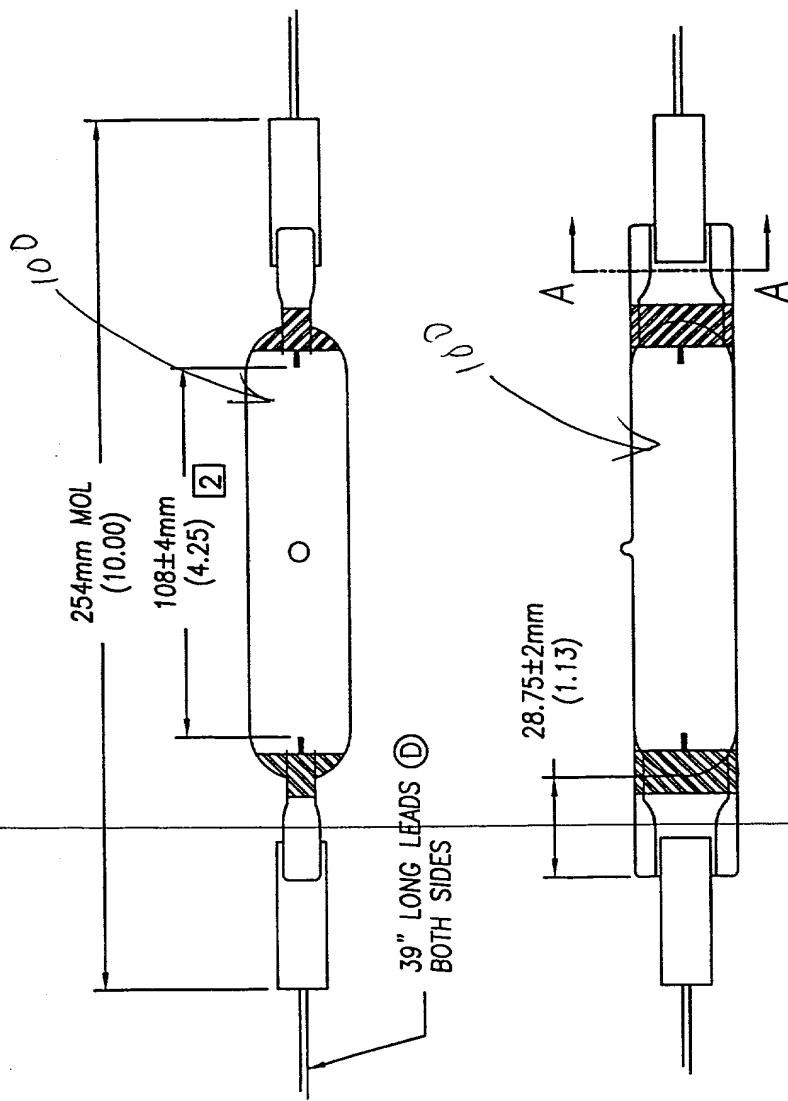
Fig. 5.H

NOTES:

1. DIELECTRIC DICHROIC REFLECTIVE COATING - SEE NOTES

- REFLECTIVE COATED PARTS SHALL HAVE A TRANSMISSION AT NORMAL INCIDENCE OF LESS THAN 1% AVERAGE FROM 400nm TO 700nm, AND GREATER THAN 70% AVERAGE TRANSMISSION AT NORMAL INCIDENCE FROM 800nm TO 1500nm. COATING SHALL BE DESIGNED FOR GREATER THAN 90% REFLECTION FROM 400nm TO 700nm.
- REFLECTIVE COATING SHALL SURVIVE RAPID THERMAL SHOCK TO 900 DEGREES C. THIS SHALL BE TESTED FOR BY INSERTION OF A COATED WITNESS PLATE INTO A TEST CHAMBER HELD AT 900 DEGREES C; HOLDING THE WITNESS AT ROOM TEMPERATURE FOR 30 MINUTES, AND RAPID WITHDRAWAL OF THE WITNESS TO ROOM TEMPERATURE. THE COATING ON THE WITNESS PLATE SHALL SURVIVE THIS TEMPERATURE CYCLE WITH NO LOSS OF COATING.
- REFLECTIVE COATING SHALL SURVIVE STANDARD 24 HOUR HUMIDITY TEST AT 49 DEGREES C, AND PASS QUICK TAPE TEST.
- FILM CRACKING AND CRYSTALLIZATION OF THE REFLECTIVE COATING SHALL BE ACCEPTABLE, PROVIDED THAT NO COATING VOID SHALL BE LARGER THAN 0.010 INCHES IN ITS LARGEST DIMENSION.
- COAT 360 DEGREES OF THE ARC TUBE WITH UV BLOCKING FILM. THE UV BLOCKING SHALL PRODUCE A COATING DESIGNED TO HAVE $T < \text{ OR } = 1\%$ AVERAGE FROM 200nm TO 390nm WHILE MAINTAINING $T > \text{ OR } = 95\%$ AVERAGE IN THE VISIBLE, APPROXIMATELY 400nm TO 700nm. THE FILM MUST WITHSTAND LONG TERM EXPOSURE TO APPROXIMATELY 1000° C.

PART NO.
MT-010



SECTION A-A

NOTE:
1. DIMENSIONS IN () ARE INCHES.
2. DIMENSION IS THE ARC LENGTH.
3. SYLVANIA LAMP NUMBER M2000T9/DE

MANUFACTURING: MUSCATINE, IA 52761	D
CORPORATE OFFICE: OSKALOOSA, IA 52577	D
MATERIAL: SEE NOTE	C
FINISH: NONE	C
TOLERANCES: .XX ±.01 .XXX ±.005 FRACT: ±1/32 ANGLES: ±1° UNLESS SPECIFIED DIMENSIONS IN INCHES	D
TITLE: SYLVANIA 2K LAMP	A
PART NO. MT-010	A

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CD RE # MT-010.D

PART NO.
LS-3401-1

BILL OF MATERIALS PER UNIT

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	Ls-3408-1	Paraboloid Spring Clamp Assembly - 2K
2	1	LS-3430-1	Reinforcing Ring - 2K
3	1	LS-3432-1	Lamp Bracket Left - 2K
4	1	LS-3434-1	Lamp Bracket Right - 2K
5	1	LS-3436-1	Lampholder - Left
6	1	LS-3438-1	Lampholder - Right
7	4	LS-3440-1	Wire Clip - 2K
8	6	Hdw1088-1	Pop rivet 3/32" dia.

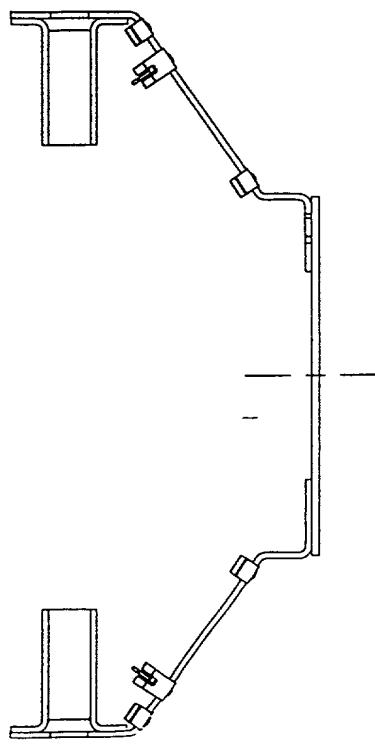
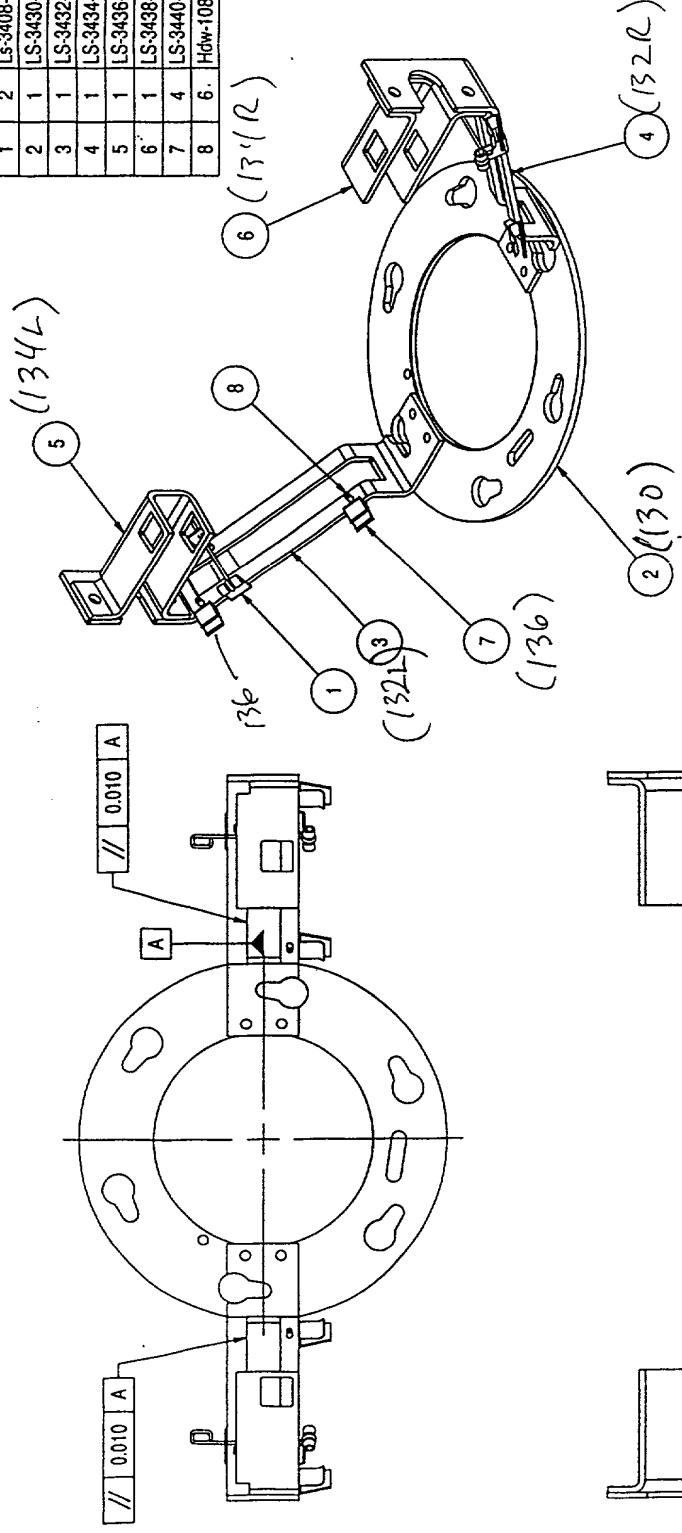


Fig. 6A

REV.	DESCRIPTION	DRWN	DATE	CHK
	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA 52577			
	MATERIAL: SEE ABOVE			
	FINISH: NONE			
	APPROV:			

W.H.W.

1-2

SCALE

1=2

PART NO.

LS-3401-1

TOLEANCES	XX ±.01 XXX ±.005	FRACTION: ±1/32 ANGLES: ±1° UNLESS OTHERWISE SPECIFIED 3RD ANGLE PROJECTION ANSI Y14.5-1994
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1-2

SCALE

1=2

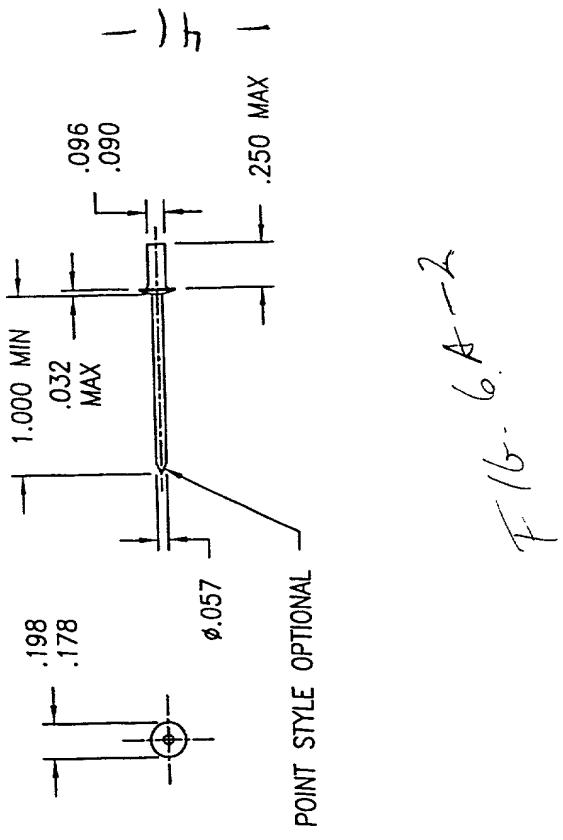
PART NO.

LS-3401-1

CAD FILE # LS-3401-1.dwg

MATERIAL SPECIFICATIONS

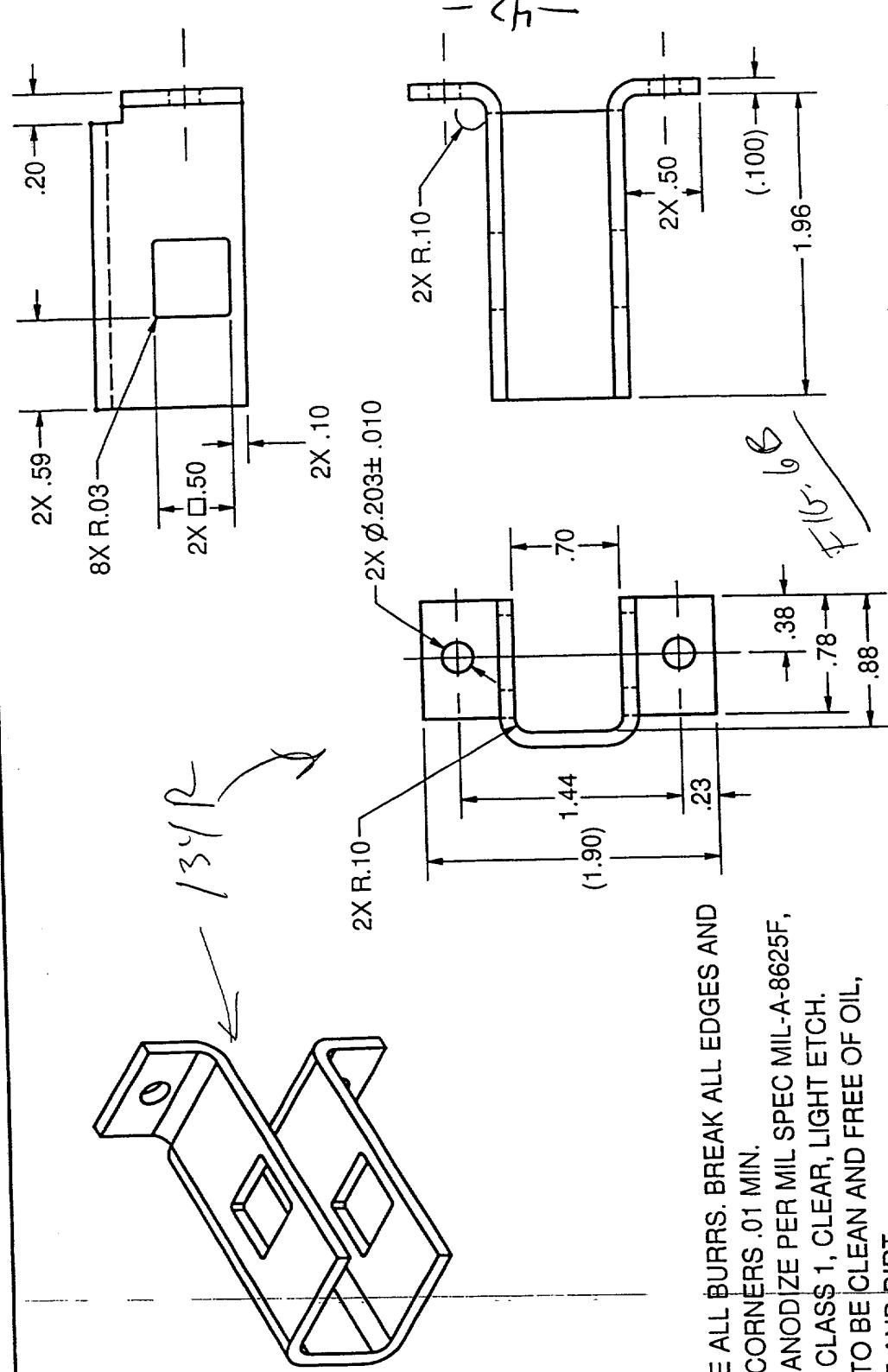
1. NAME: DOME HEAD BLIND RIVET
2. MATERIAL: ALUMINUM BODY, ALUMINUM MANDREL
3. SIZE: RIVET #41 (3/32 NOM.)
4. GRIP RANGE: .020"-.125"
5. RECOMMENDED HOLE SIZE: .097"-.100"
6. RECOMMENDED DRILL SIZE: #41
7. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F,
TYPE II, CLASS 1, CLEAR, LIGHT ETCH.



NOTE:
1. FASTENER SHALL COMPLY WITH INDUSTRIAL FASTENER INSTITUTE STANDARDS.

 MUSCO <i>Lighting</i>	MANUFACTURING: MUSCATINE, IA 52761
	CORPORATE OFFICE: OSKALOOSA, IA. 52577
	MATERIAL: SEE ABOVE
	FINISH: SEE ABOVE
	TOLERANCES: XX $\pm .01$ XXX $\pm .005$
	FRACT: $\pm 1/32$ ANGLES: $\pm 1^\circ$
	UNLESS SPECIFIED DIMENSIONS IN INCHES
	ANSI Y14.5-1994 XRD ANGLE PROJECTION
	REV. C
	SCALE: 1=1
	TITLE: BLIND RIVET DOME HEAD #41 (3/32" NOM)
	A PART NO. HDW-1088-1
	CD FILE #: HDW-1088-1

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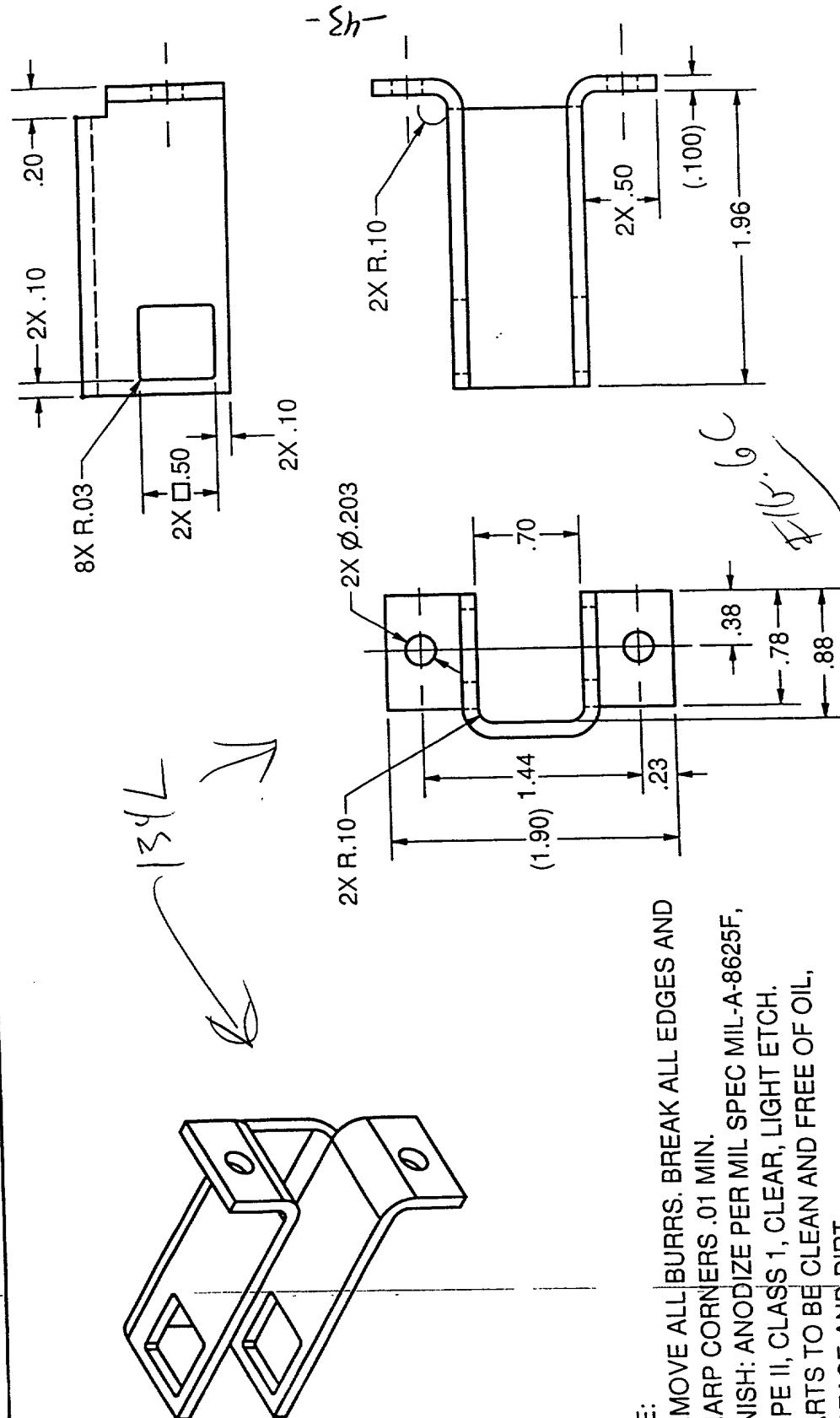


NOTE:

1. REMOVE ALL BURRS. BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F, TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
3. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.

		DRAWING		DATA		CHK		APPROV.		SCALE:		PART NO.	
		MANUFACTURING: MUSCATINE, IA 52761		CORPORATE OFFICE: OSKALOOSA, IA. 52577		MATERIAL: .100 THK ALUMINUM		5052-H32		SEE NOTES		1:1	
		FINISH:		TITLE: Lampholder - Right		A							
		MUSCO Lighting		TOLERANCES:		.000 .000 .000 .000		XX XXX XXX XXX		±.01 ±.005 ±.005 ±.005		FRACT: ±1/32 ANGLES: ±1° 3RD ANGLE PROJECTION UNLESS SPECIFIED DIMENSIONS IN INCHES ANSI Y14.5-1994	
REV.	DESCRIPTION	DRWN	DATE	CHKD	APVD	ECN							

PART NO.
LS-3436-1



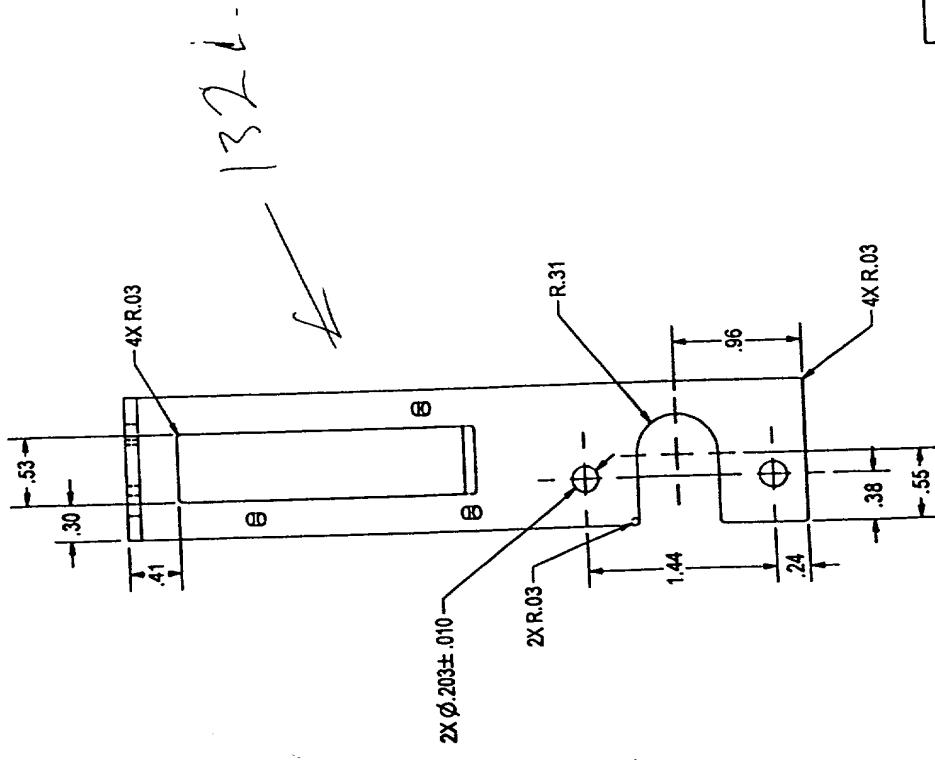
NOTE:
 1. REMOVE ALL BURRS. BREAK ALL EDGES AND
 SHARP CORNERS .01 MIN.
 2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F,
 TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
 3. PARTS TO BE CLEAN AND FREE OF OIL,
 GREASE AND DIRT.

		MANUFACTURING: MUSCATINE, IA 52671 CORPORATE OFFICE: OSKALOOSA, IA. 52577		DRW
		MATERIAL:	.100 THK ALUMINUM 5052-H32	DATA
		FINISH:	SEE NOTES	CHK
		TOLERANCES:		APPVD:
		.XX	±.01	SCALE: 1=1
		.XXX	±.005	
		FRACT:	±1/32	PART NO.
		ANGLES:	±1°	LS-3436-1
		UNLESS SPECIFIED DIMENSIONS IN INCHES		CAD FILE #: LS-3436-1.ipd
		ANS Y14.5-1994 3RD ANGLE PROJECTION		
REV.	DESCRIPTION	DRWN	DATE	CHKD

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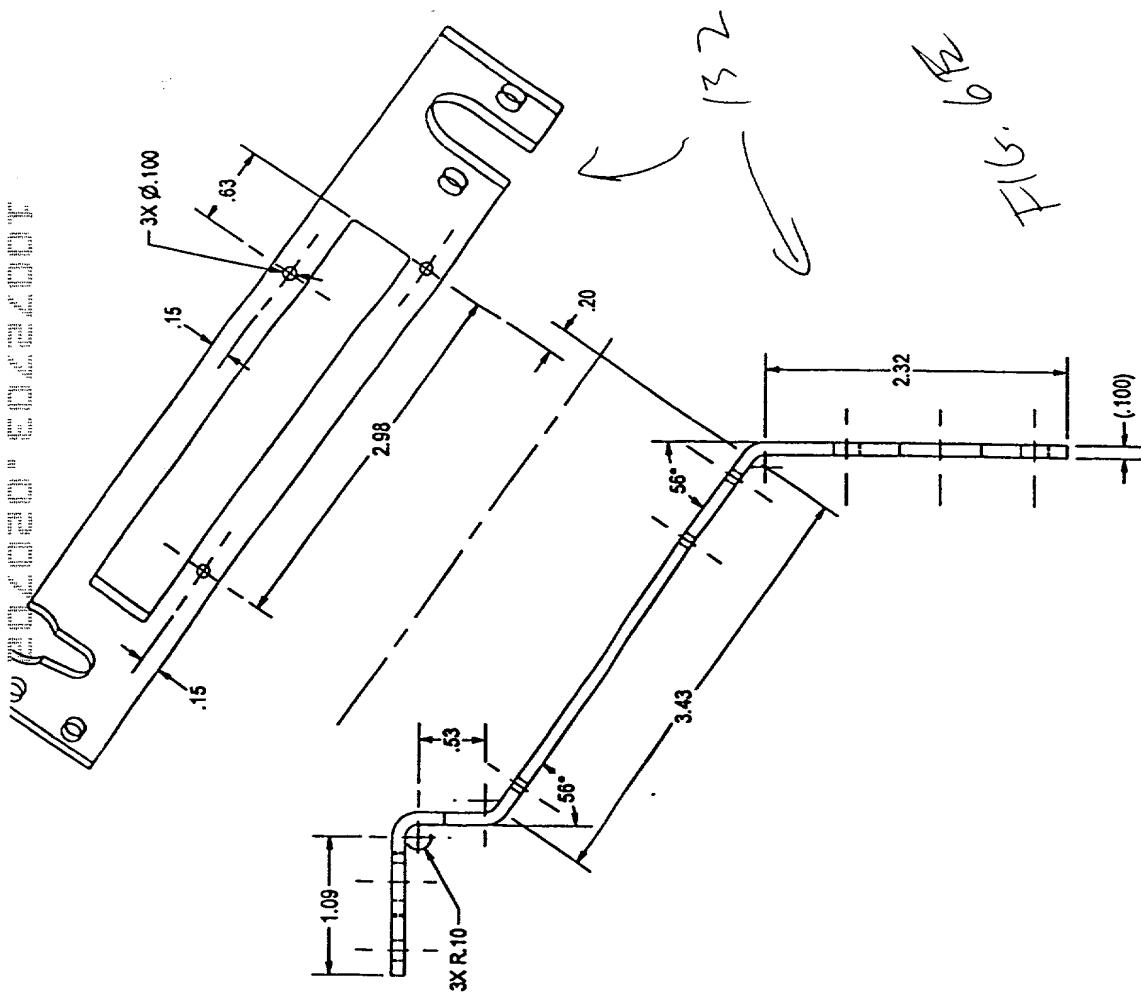
- hh -

PART NO.
LS-3497-1



REV.	DESCRIPTION	DRWNS	DATE	CHKD
0000	MANUFACTURING: HESLATE, 14-82744 CORPORATE OFFICE: OSALOGA, IA, 52577	DA		
0001	MATERIAL: 100 THK ALUMINUM	CH		
0002	APP'D:			
0003	SCALE: 1=1			
	FINISH: SEE NOTES			
	TOLERANCES: .000 .005 .000 .005			
	UNLESS SPECIFIED FRAC'T: 1/16" 1/32" ANGLES: 1/2" 1/4" DIMENSIONS IN INCHES AND TOLERANCES			
	TITLE: LAMP BRACKET LEFT - C	PART NO.		
	2K	LS-3497-1		
	CAD FILE #: LS-3497-1.01			

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LAMP BRACKET LEFT. They are not to be reproduced, copied, or distributed outside of the HESLATE
LAMP BRACKET LEFT. They are not to be given to any other person or company. They are to be
kept in a safe place and not to be lost or destroyed. They are to be handled with care and
respect. They are to be used only for the intended purpose of HESLATE LAMP BRACKET LEFT.



NOTE:

1. REMOVE ALL BURRS. BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. ALL FILLETS AND RADI .03 UNLESS NOTED OTHERWISE.
3. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F, TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
4. ANGLE TOLERANCE: $\pm 1/2$
5. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.

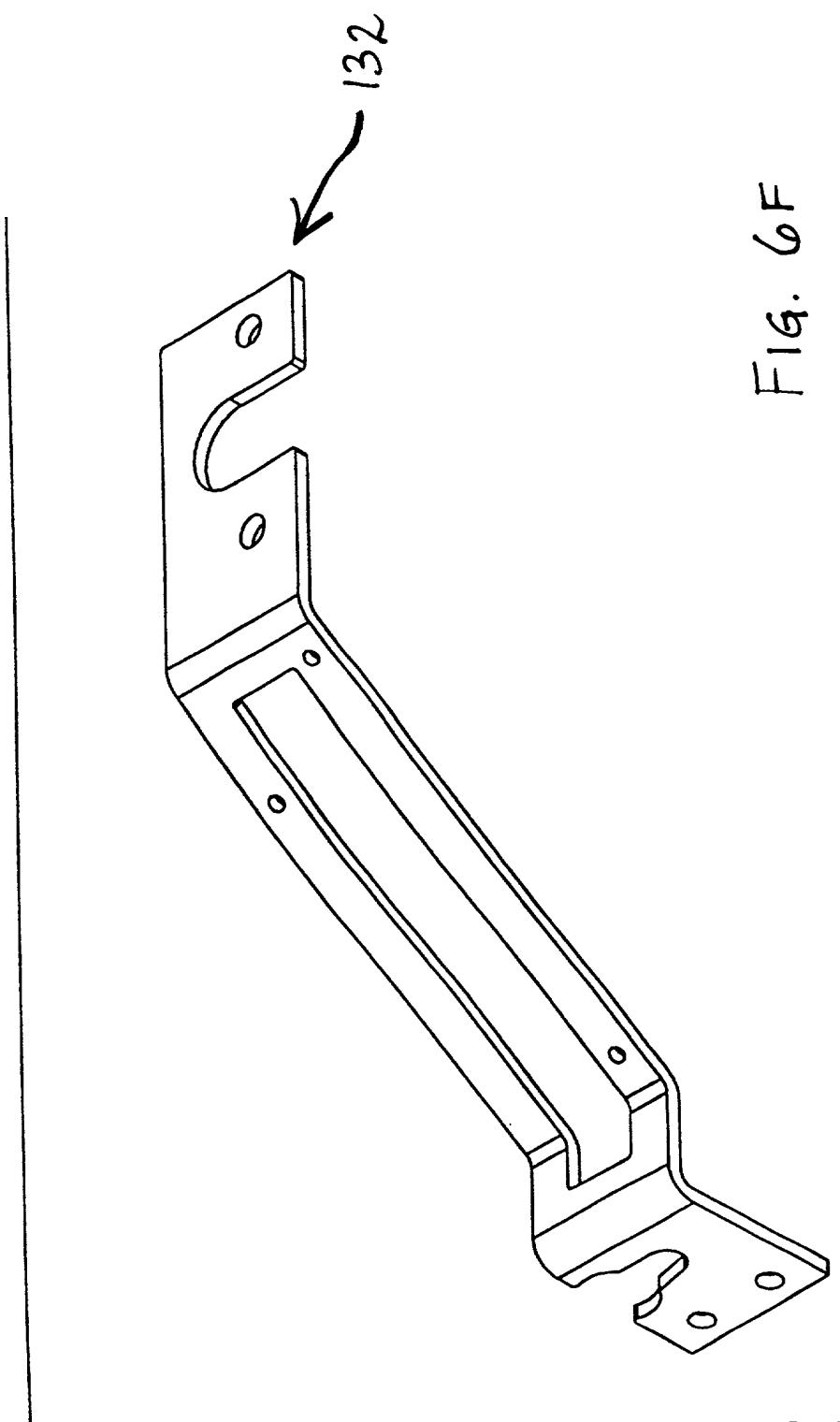
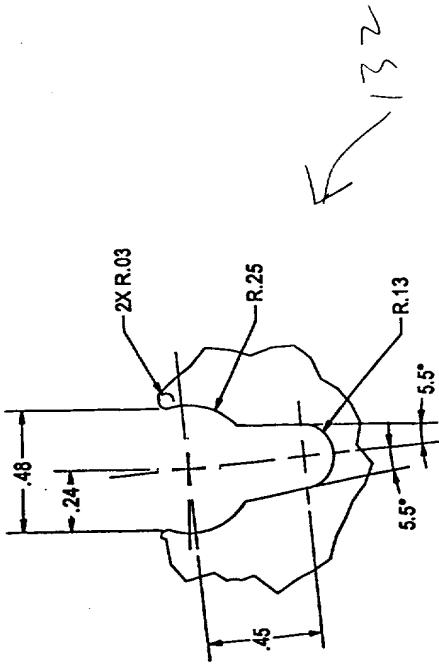


Fig. 6F

- 74 -



Detail A
Scale 2:1

665
F16.

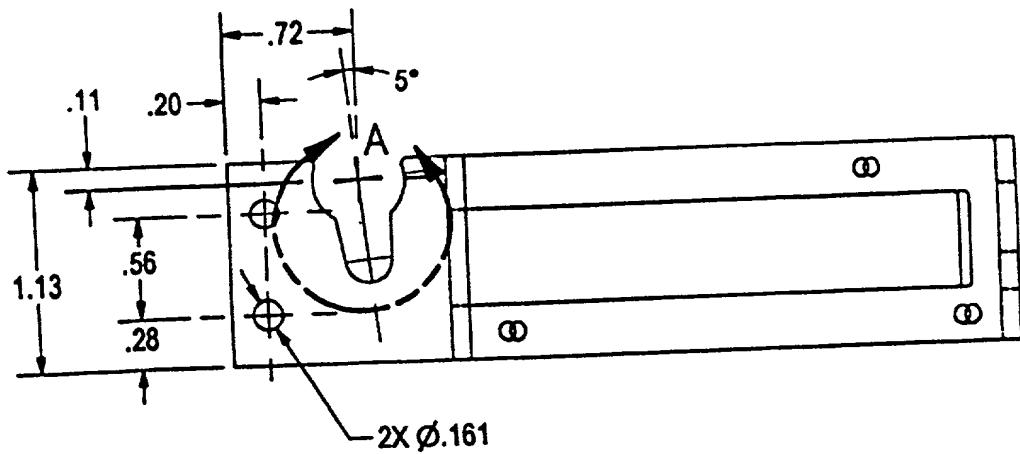
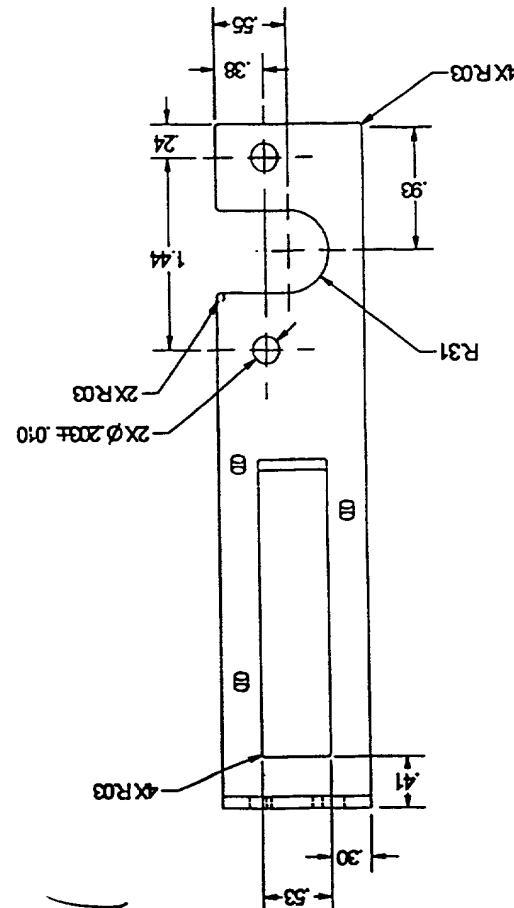


FIG. 6 K

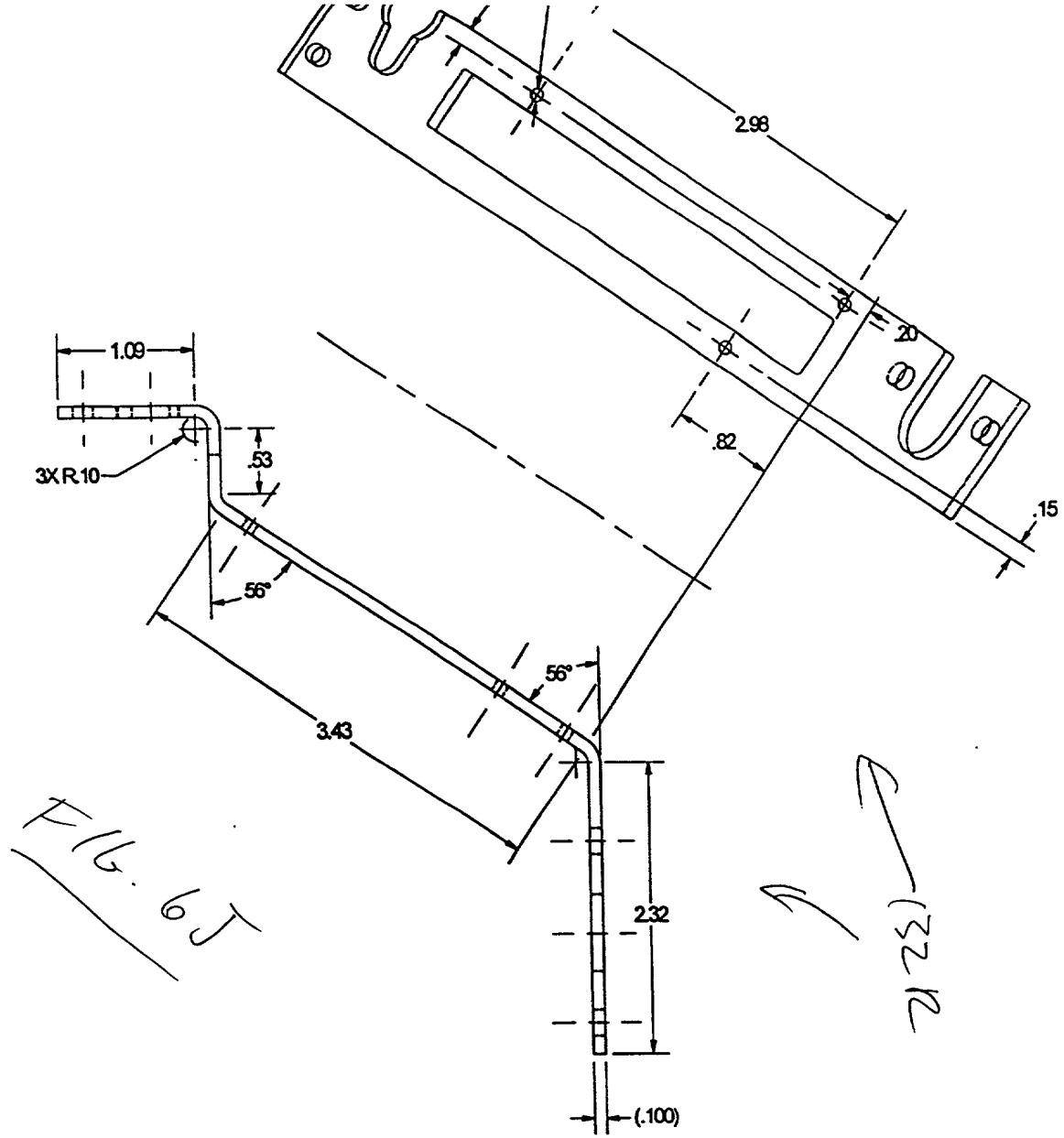
132

-44-

DESIGNER: JAMES B. HARRIS DRAWING NO. LS-3498-1			
TITLE: LAMP BRACKET RIGID - 2K C PART NO. LS-3498-1			
SCALE: 1=1			
FINISH: SEE NOTES			
MATERIAL: 100 THK ALUMINUM			
MANUFACTURING INSPECTOR: J.A. SIEBEL CORPORATE PRICE: \$0.52			
REV. DESCRIPTION DRAWN DATE CHG.			
0000 Mfg. Fin.			
DATE: 10/06/06 DRAWN BY: J.A. SIEBEL DESIGNED BY: JAMES B. HARRIS APPROVED BY: JAMES B. HARRIS MATERIAL: ALUMINUM TOLERANCES: .005-.010 PROT: 4.732 DOC: 1.006 J.D. 101 MATERIAL: ALUMINUM MANUFACTURING INSPECTOR: J.A. SIEBEL CORPORATE PRICE: \$0.52			



PART NO.
LS-3498-1



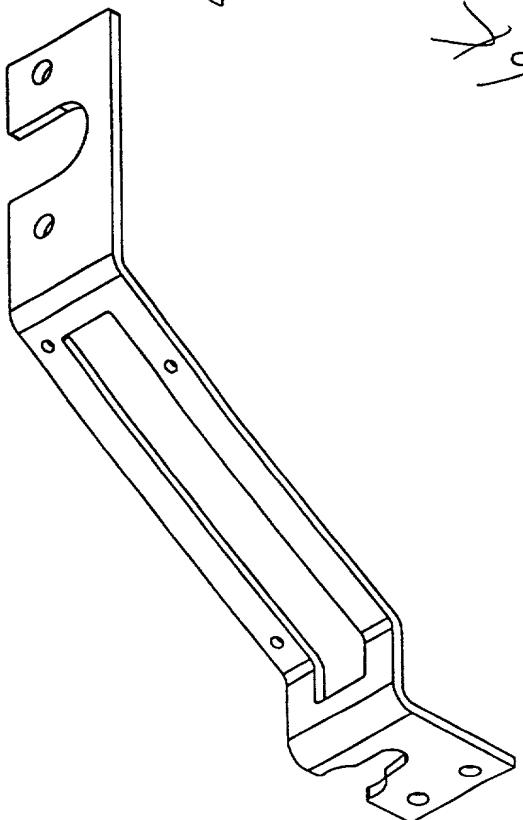
NOTE:

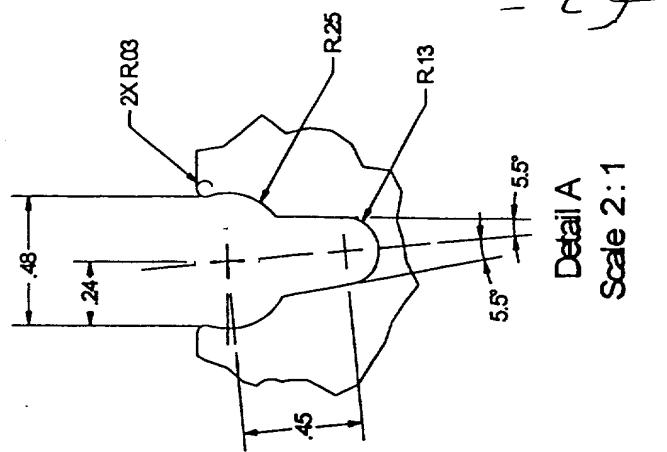
1. REMOVE ALL BURRS, BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. ALL FILLETS AND RADII .03 UNLESS NOTED OTHERWISE.
3. FINISH ANODIZE PER MIL SPEC ML-A-8625F, TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
4. ANGLE TOLERANCE $\pm 1/2$
5. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.

- 14 -

6-132 R

11/6.4





Detail A
Scale 2:1

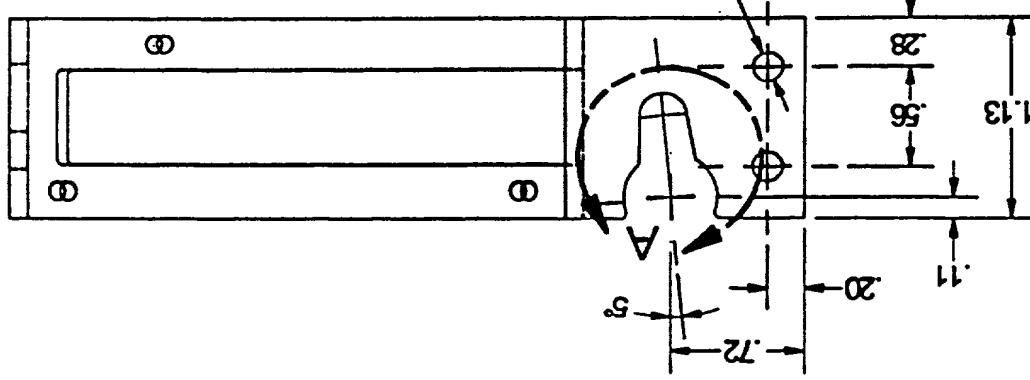
132P → 115.10 ✓

- {S}-

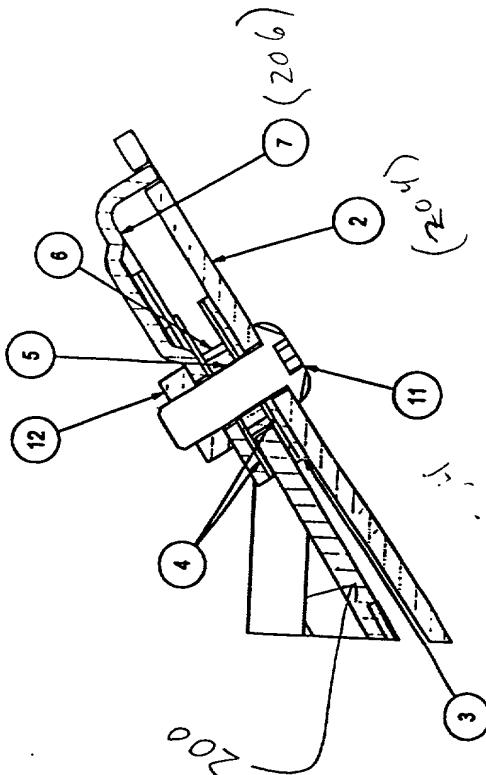
132 R

11/15/16

-2xø.161



PART NO.
Ls-3402-1



Section A-A
Scale 2:1

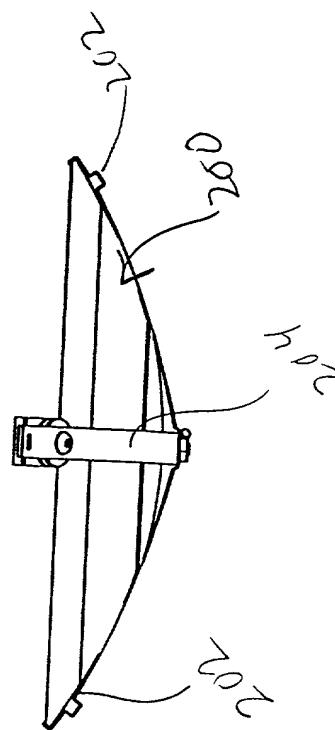


FIG. 7A

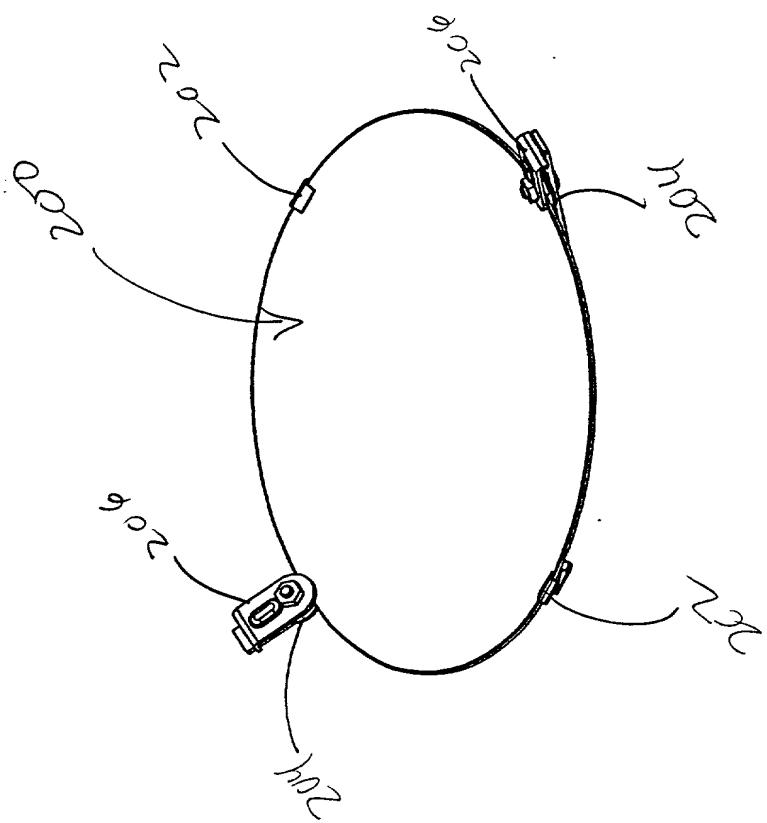
RELEASE	NAT
REV. DESCRIPTION	DRVN
MANUFACTURING: MUSCATINE, IA 52641 CORPORATE OFFICE: OSAKA, JA 123517	
MATERIAL: SEE ABOVE	
TOLENCES:	
JX 4.00	JX 4.00
FINISH: NONE	
TITLE: Paraboloid Assembly	
C PART NO.	
Ls-3402-1	
CAD FILE #: Ls-3402-1.kmz	

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BILL OF MATERIALS PER UNIT		
ITEM	QTY	PART NUMBER
1	1	LS-3412-1
		Vertical bracket/teflon assembly
2	1	LS-3460-1
		Parabolid Horizontal Bracket - 2K
3	2	LS-3464-1
		Steel Washer - 2K
4	4	LS-3466-1
		Teflon Washer - 2K
5	2	LS-3468-1
		Steel Bushing - 2K
6	2	LS-3470-1
		Teflon Bushing - 2K
7	2	LS-3474-1
		Parabolid Clamp - 2K
8	1	LS-4000-1
		Parabolid Reflector - 2K
9	1	LS-3472-1
		8" Ceramic Blanket
10	1	LS-3476-1
		4" Ceramic Blanket
11	2	Hdw-1019
		Screw 10-24 x 1/2" lg button head
12	3	Hdw-1003
		Locknut 10-24
13	1	Hdw-1048
		Screw 10-24 x 1/4" lg button head
14	1	Hdw-1086-1
		Screw 6-32 x 3/8" lg button head
15	1	LS-3478-1
		Retaining Cable
16	1	Hdw-1089-1
		Locknut 6-32

-55-

16
F161



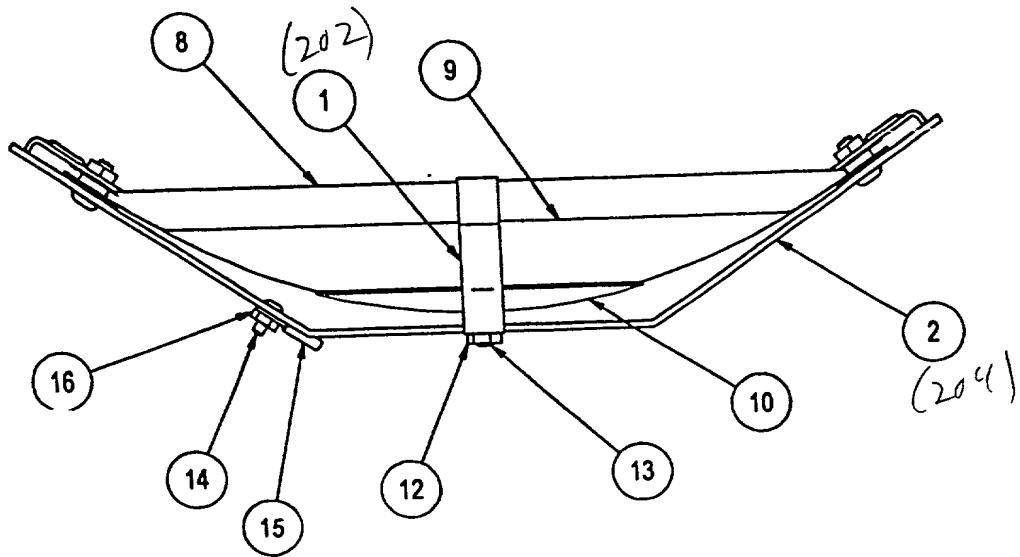


FIG. 7C

NOTE:

1. NO FINGER PRINTS OR FOREIGN MATTER ON MIRROR. USE WHITE COTTON GLOVES WHEN ASSEMBLING.
2. DO NOT ATTEMPT TO CLEAN MIRROR.

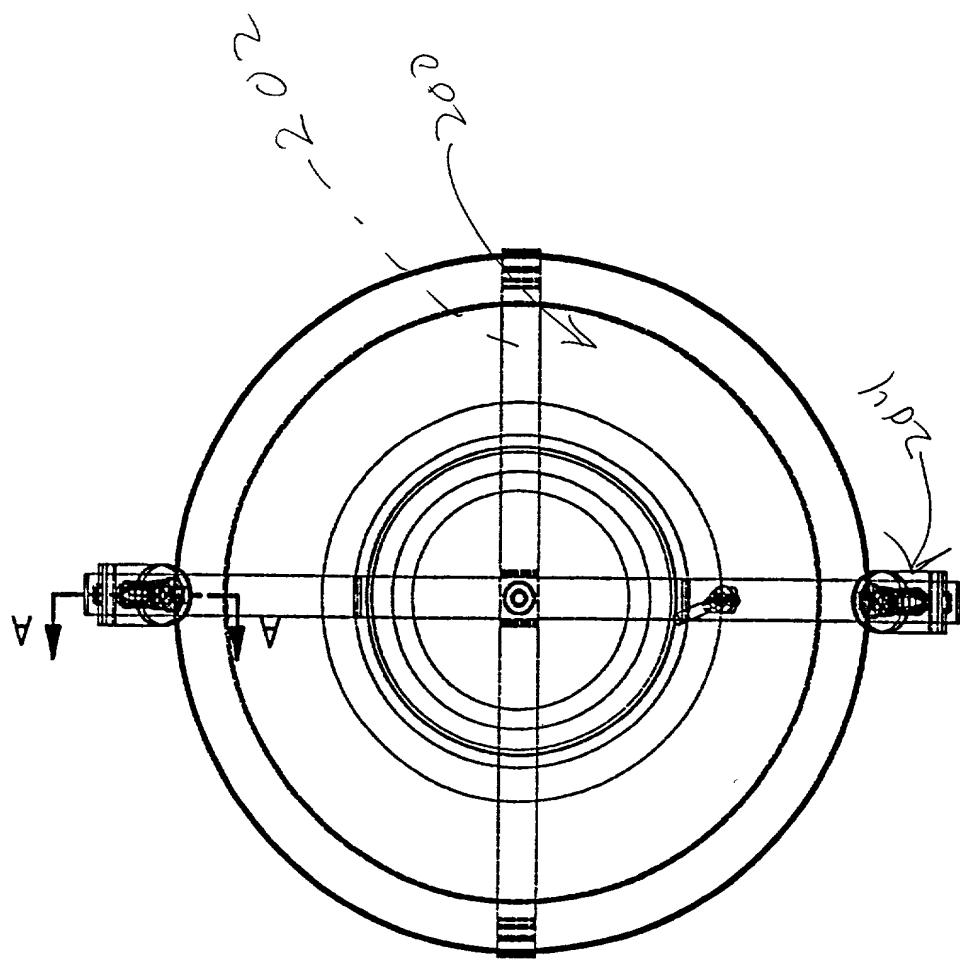


FIG. 7D

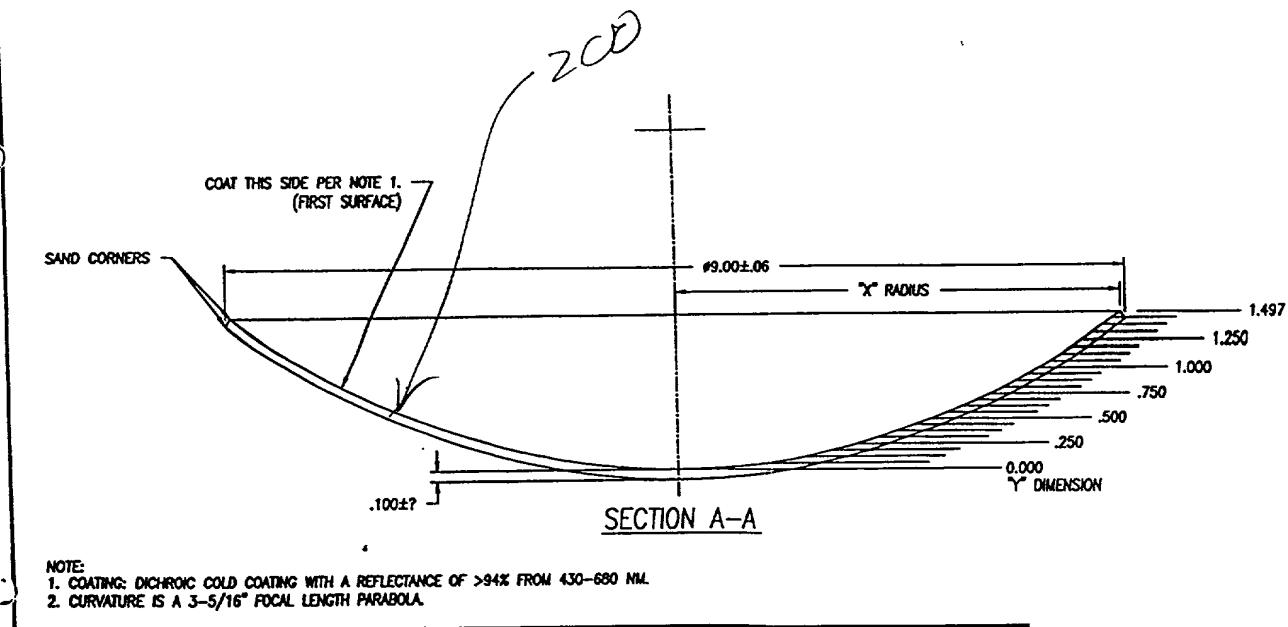


FIG. 7E

FIG. 7 F

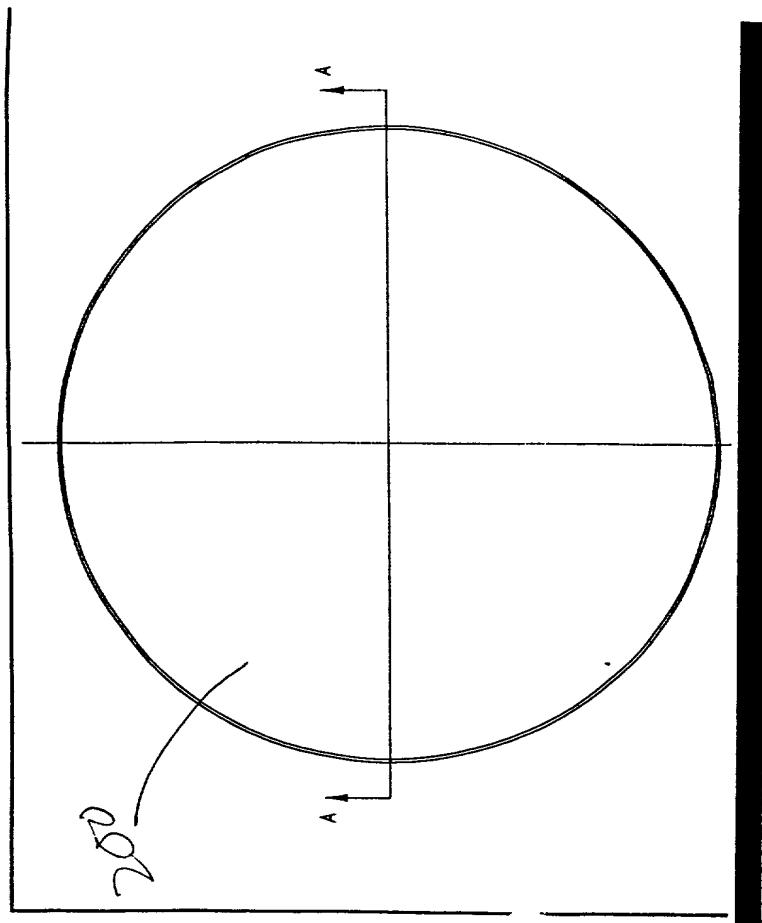


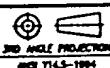
FIG. 76

X RAD	Y DIM
.911	.063
1.287	.125
1.576	.188
1.820	.250
2.035	.313
2.229	.375
2.408	.438
2.574	.500
2.730	.563
2.878	.625
3.018	.688
3.152	.750
3.281	.813
3.405	.875
3.524	.938
3.640	1.000
3.752	1.063
3.861	1.125
3.967	1.188
4.070	1.250
4.170	1.313
4.268	1.375
4.364	1.438
4.453	1.497

PART NO.
LS-4000-1

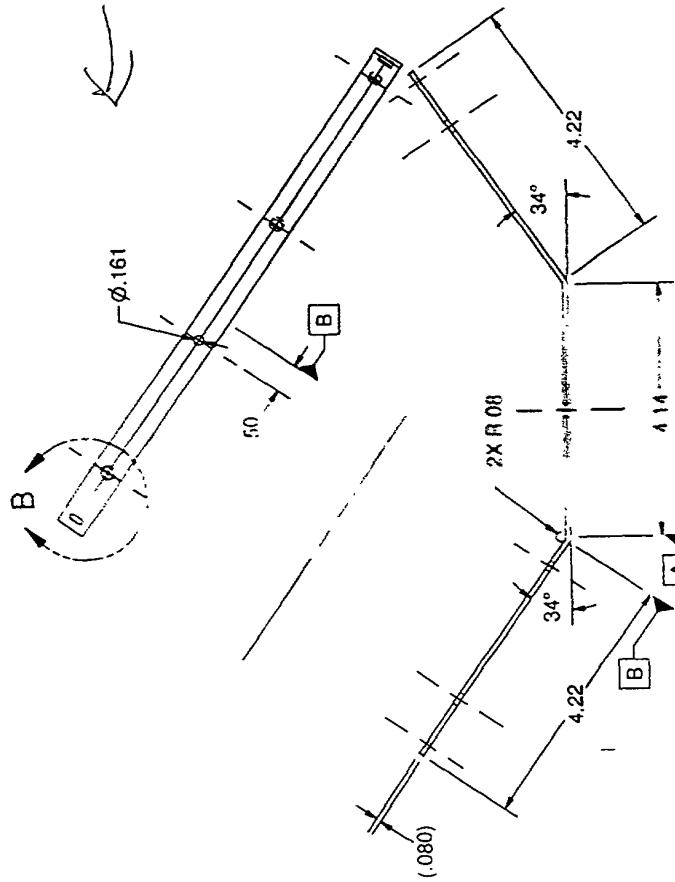
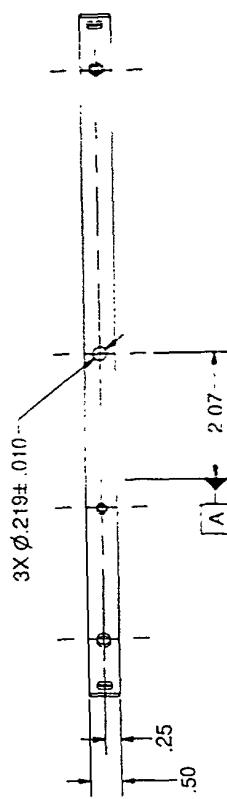
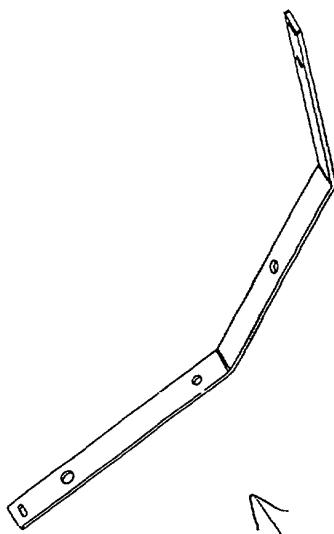
--	RELEASE	MLK
REV.	DESCRIPTION	DRWN
0000	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA 52577	
44	MATERIAL: GLASS	
TOLERANCES: JX ±.01 JXX ±.005	FINISH: SEE ABOVE	SCALE: 1=1
FRAC: ±1/32 ANGLES: ±1° UNLESS SPECIFIED DIMENSIONS IN INCHES	TITLE: PARABLOID 3-5/16 C COATED FIRST SURFACE	PART NO. LS-4000-1

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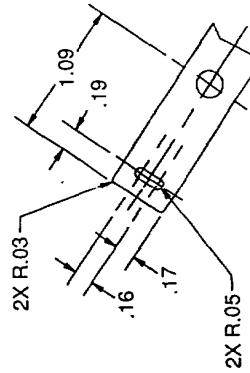


PART NO.
LS-3460-1

204 204 204 204 204



-19-



2X Detail B
Scale 1 : 1

F16-14

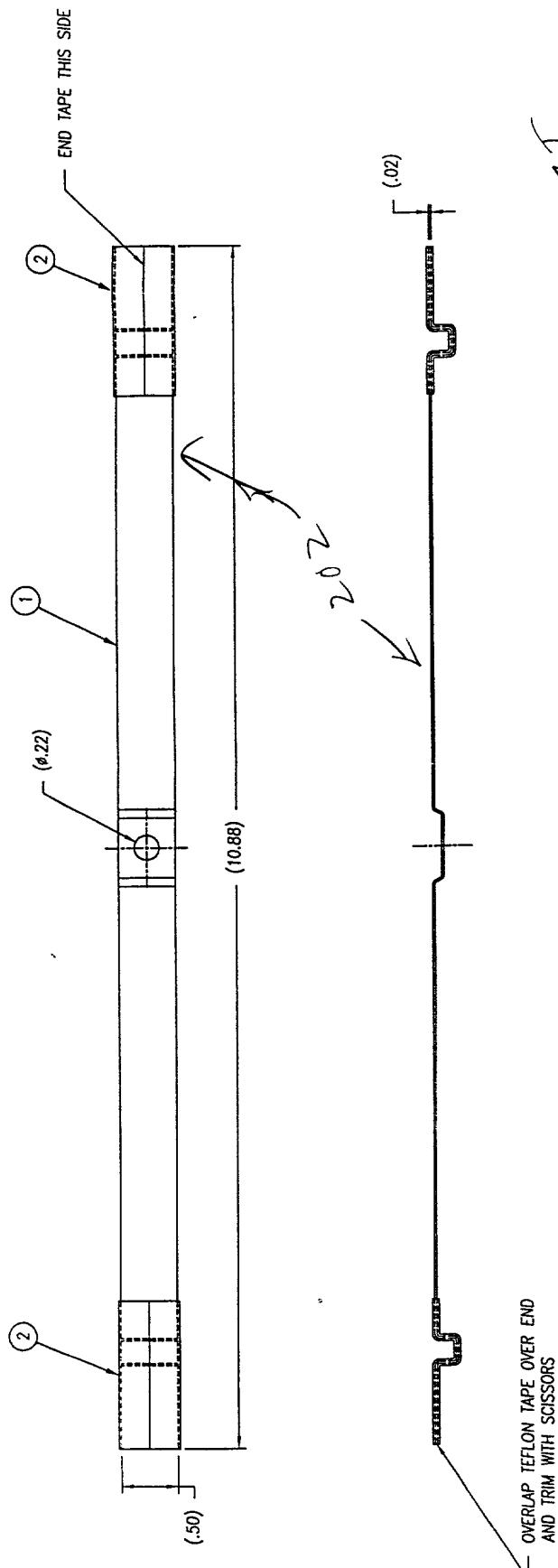
REV.	DESCRIPTION	DRAWN	DATE	CH
	MANUFACTURING: MUSCATINE IA 52761 CORPORATE OFFICE: OSHALDOA IA 52577			
	MATERIAL: 080 THK ALUMINUM 5052 H32			APWU
	FINISH: SEE NOTES			SCALE 1=2
	TOLERANCES: Wx T 0.005 XXX 0.005			PART NO. B
	NOTE: PARABOID HORIZONTAL BRACKET - 2K			CARD FILE # LS-3460-1

NOTE:

1. REMOVE ALL BURRS, BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F, TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
3. ANGLE TOLERANCE: ± 1/2°
4. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT

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THE COMPANY

BILL OF MATERIALS PER UNIT			
ITEM	QTY	DESCRIPTION	PART #
1	1	PARACLOID VERTICAL BRACKET	LS-3462-1
2	6"	TEFLON TAPE (2 X 3")	LS-3463-1



OVERLAP TEFLON TAPE OVER END
AND TRIM WITH SCISSORS

Fig. 1 -

-- RELEASE			
REV.	DESCRIPTION		
		MUSCA MANUFACTURING: MUSCA CORPORATE OFFICE: OSKA MATERIAL: SEE ABOVE FINISH: NONE TOLERANCES: XX $\pm .01$ XXX $\pm .005$ FRACT: $\pm 1/32$ ANGLES: $\pm 1^\circ$ <small>UNLESS SPECIFIED IN INCHES</small>	

NOTE: 1. TOTAL QUANTITY OF TAPE (ITEM 2) SHOWN IN THE BILL OF MATERIAL IS
1000' ON EACH END.

XX	± 0.01	FINISH: NONE	SCALE: 1:1
XX	4.005		PART NO.
XX	4.005		
		TITLE: VERTICAL BRACKET 18	
		W/TEFLON ASSEMBLY	
UNLESS SPECIFIED ANGLES: $\pm 1^\circ$			
DRAFT PROJECTION DIMENSIONS IN INCHES			
AND 114-194			
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PART NO.
LS-3463-1

MATERIAL SPECIFICATIONS:

1. NAME: TEFILON THREAD SEALANT TAPE
2. MATERIAL: 99% PTFE TEFILON (FOR STRONG CHEMICAL RESISTANCE)
3. TEMPERATURE RANGE: -400° TO +500° F.
4. GRADE: MILITARY
5. WIDTH: 1.50
6. THICKNESS: (.003)
7. ELONGATION: 50% MINIMUM
8. SPECIFIC GRAVITY: 0.90 G/CC
9. COLOR: WHITE
10. SPECIFICATIONS: MEETS MIL SPEC. T-27730A

-6-

15
F16.

NOTE:
1. REFERENCE McMaster-Carr Part Number 6802K66.

REV.	RELEASE	MLK	9/29/00	MLK	00	TOLERANCES: XX ±.01 XXX ±.005	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA. 52577	D
		DRWN	DATE	CHKD	APVD	FINISH: SEE ABOVE	MATERIAL: SEE ABOVE	C
								C

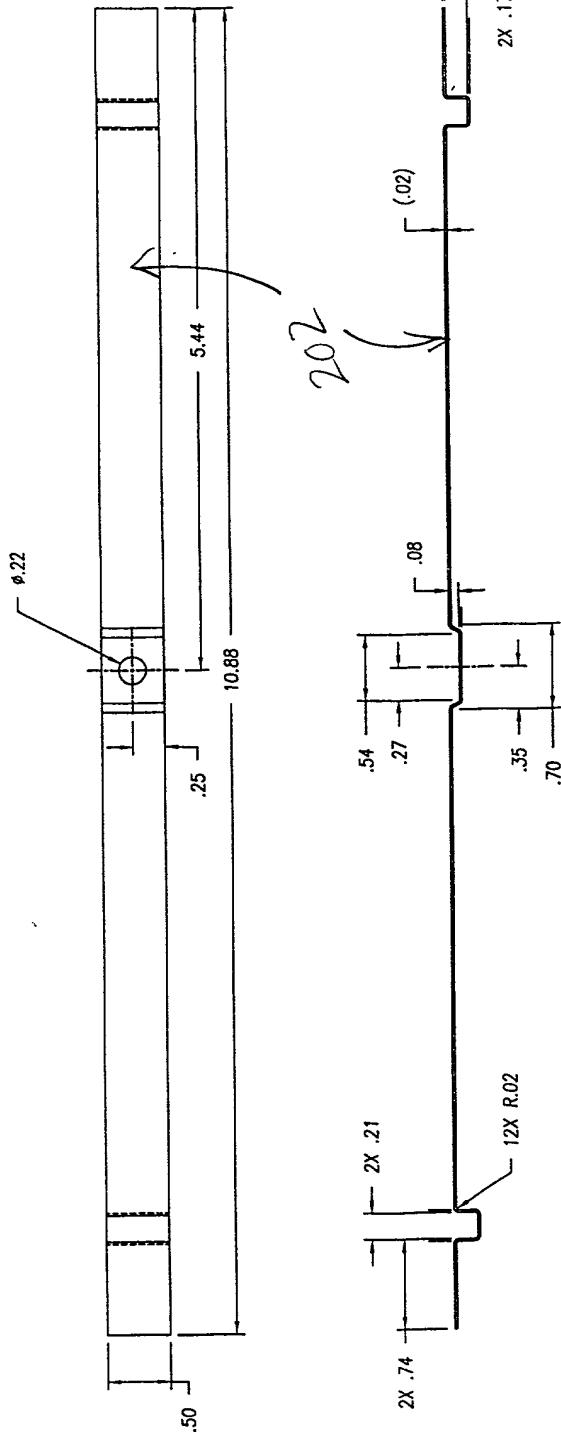
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ANSI Y14.5-1994
3RD ANGLE PROJECTION
ANGLES: ±1°
FRACT: ±1/32
DIMENSIONS IN INCHES

A
PART NO.
LS-3463-1
CUD FILE # LS-3463-1

PART NO LS-3462-1

- 19 -



NOTE:
1. REMOVE ALL BURRS, BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F, TYPE II CLASS 1,
CLEAR, LIGHT ETCH.
3. SIGHT TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT

CE0 FILE # 15-1482-1

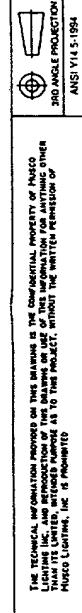
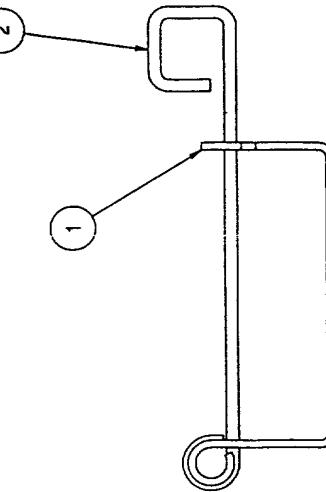
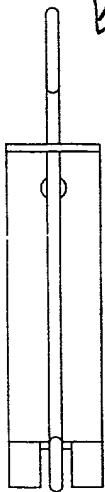
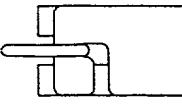
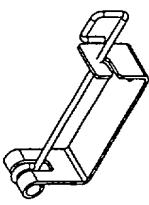
PART NO. LS-3408-1			
BILL OF MATERIALS PER UNIT			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	LS-3450-1	Parabolid Spring Clamp -2K
2	1	LS-3452-1	Parabolid Spring Clamp Wire -2K

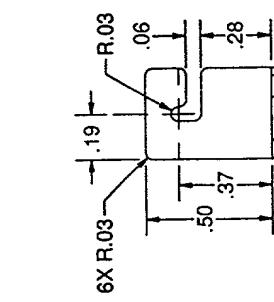
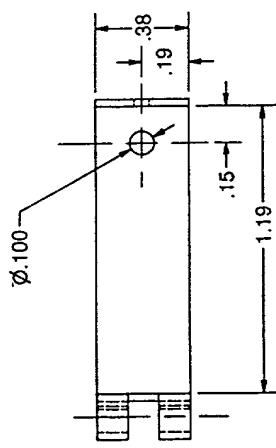
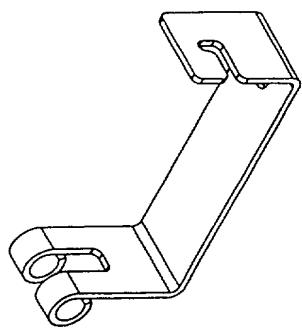
REV.	DESCRIPTION	DRWN.	DATE	CH.
	 MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OMAHA, NE 68137 MATERIAL: SEE ABOVE			
	TOLERANCES  XX \pm 0.05 XXX \pm 0.05	FINISH NONE	LMW APPENDIX SCALE 2 = 1	PART NO L.S.-3408-1
		TITLE: Paraboloid Spring Clamp Assembly - 2K		
		FRACT. 1/32 ANGLES: $\pm 1^\circ$ UNLESS SPECIFIED DIMENSIONS IN INCHES		
		 3RD ANGLE PROJECTION ANSI Y14.5-1984		
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- 99 -

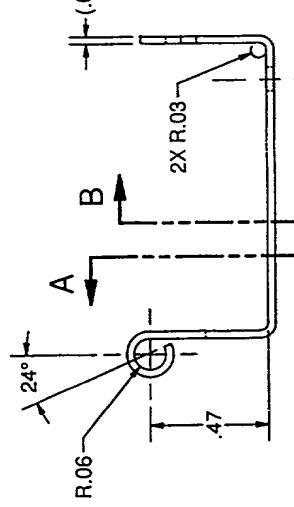
16. 7 M

Scale: 1 : 1





Section B-B



Section A-A

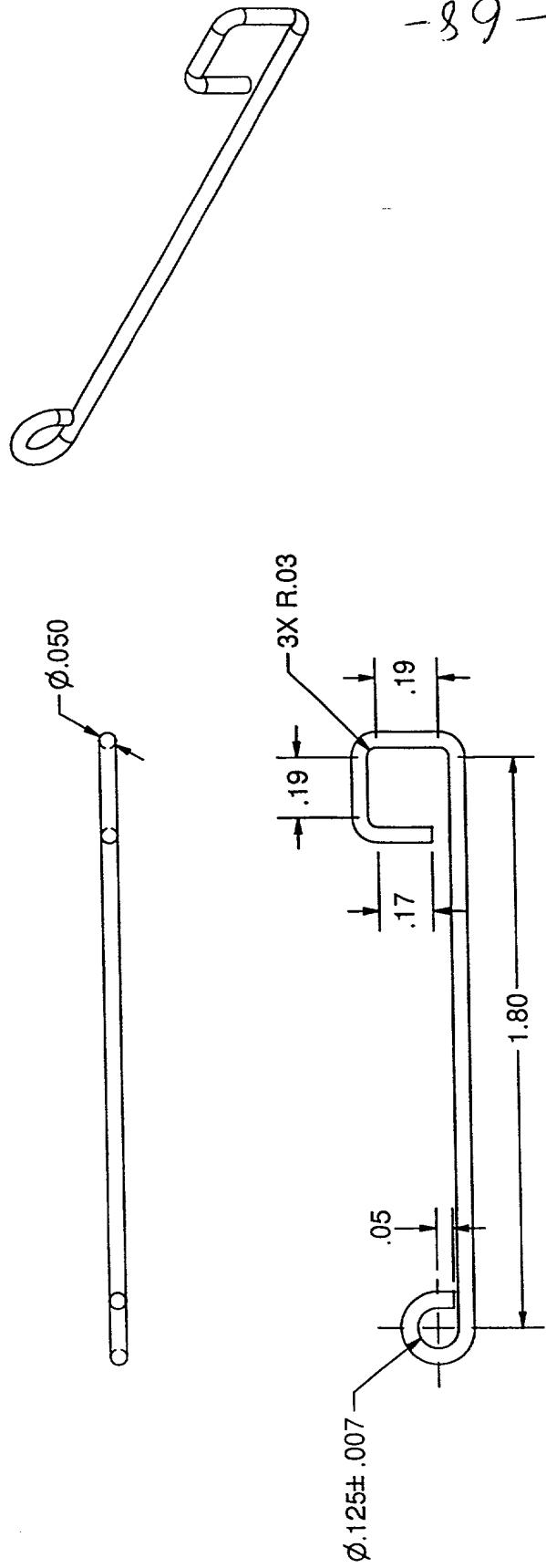
NOTE:

1. REMOVE ALL BURRS. BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F, TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
3. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.

REV.	DESCRIPTION	DRWNS	DATE	CR
	MANUFACTURING: MUSCATINE, IA 52641 CORPORATE OFFICE: OSAULOSA, IA 52577			
	MATERIAL: .030 THK ALUMINUM			
	FINISH: SEE NOTES			
	APPV0			
	SCALE: 2=1			
	TITLE: Parabolic Spring Clamp - B			
	2K			
	UNLESS SPECIFIED DIMENSIONS IN INCHES			

NOTE:	1. REMOVE ALL BURRS. BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
	2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F, TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
	3. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.
	UNLESS SPECIFIED DIMENSIONS IN INCHES
	ANSI Y14.5-1994

CAD FILE # LS-3450-1.CP

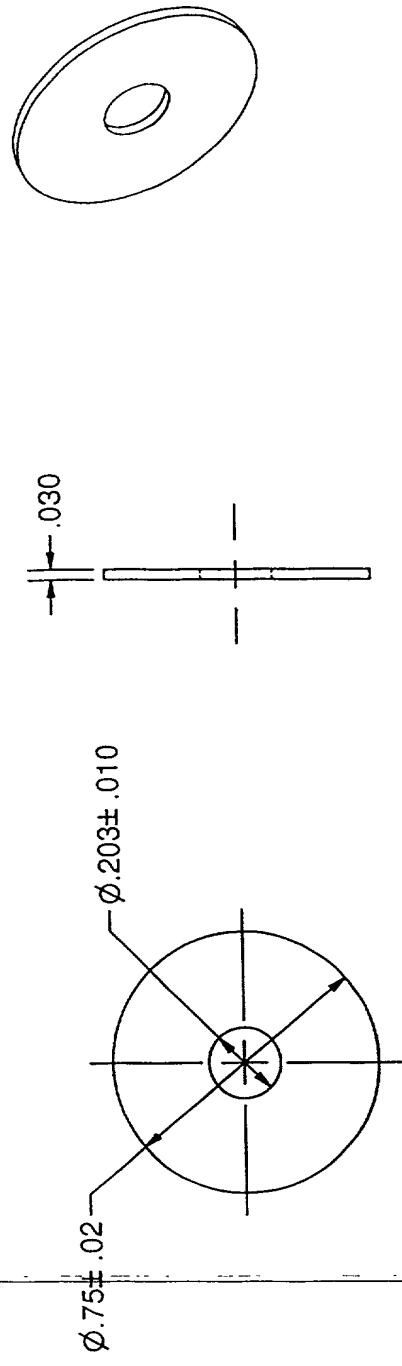


NOTE:

1. REMOVE ALL BURRS. BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. PASSIVATE PER ASTM A380.

REV.	DESCRIPTION	DRWN	DATE	CHKD	APVD	ECN	ECN	TOOLING:	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA 52377	DRWN:
								XX ±.01 .XXX ±.005	MATERIAL: 302 STAINLESS STEEL SPRING TEMPER	DATE:
								FRACT: 1/32 ANGLES: ±1° UNLESS SPECIFIED 3RD ANGLE PROJECTION ANSI Y14.5-1984	FINISH: HEAT TREAT SEE NOTE	CHKD:
									TITLE: Paraboloid Spring Clamp A Wire - 2K	APP'D:
										SCALE: 2=1 PART NO. LS-3452-1

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NOTE:
 1. REMOVE ALL BURRS. BREAK ALL EDGES AND
 SHARP CORNERS .01 MIN.
 2. PASSIVATE PER ASTM A380.
 3. PARTS TO BE CLEAN AND FREE OF OIL,
 GREASE AND DIRT.

116.70

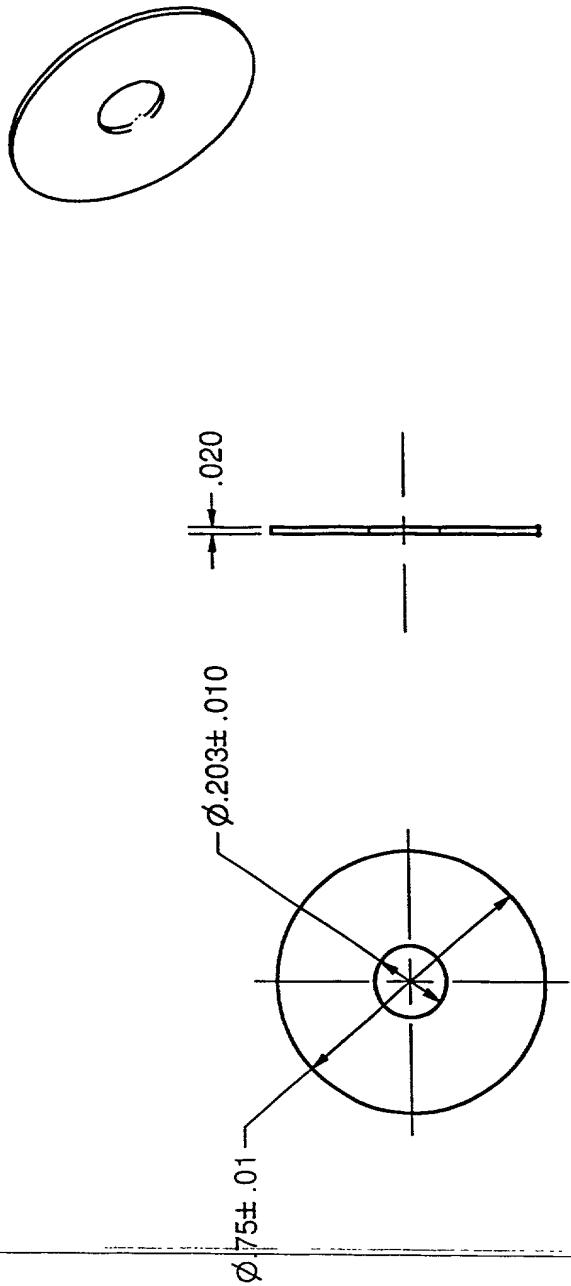
- 59 -

REV.	DESCRIPTION	DRW/N	DATE	CHKD	APVD	ECN	TOLERANCES: .000 ± .005 .000 ± .005 FRAC: ± 1/32 ANGLE: ± 1° UNLESS SPECIFIED DIMENSIONS IN INCHES	DRW/N DATE CHKD APVD.
	Steel Washer - 2K							SCALE 2=1 PART NO. A TITLE: Steel Washer - 2K A LS-3464-1 CAD FILE #: LS-3464-1.DWG

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THAN ITS INTENDED PURPOSE AS TO THIS PROJECT, WITHOUT THE WRITTEN PERMISSION OF
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PART NO. LS-3466-1

LS-3466-1



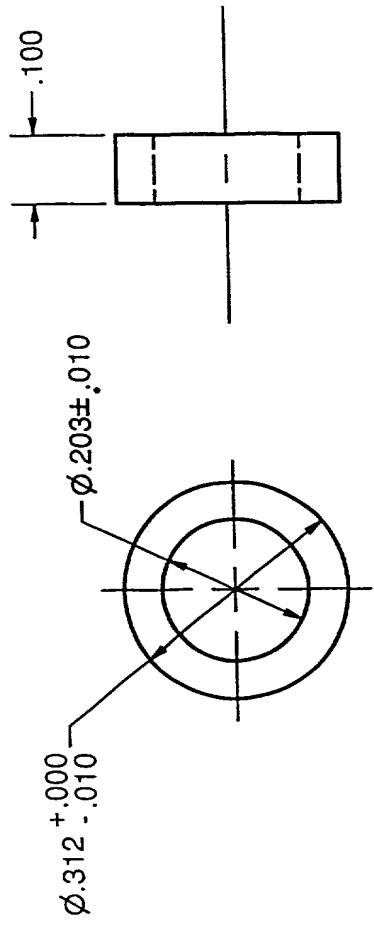
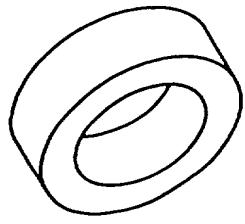
NOTE:
1. REMOVE ALL BURRS. BREAK ALL EDGES AND
SHARP CORNERS .01 MIN.

LS-3466-1

CAD FILE # LS-3466-1-01

LS-3468-1

PART NO.
LS-3468-1



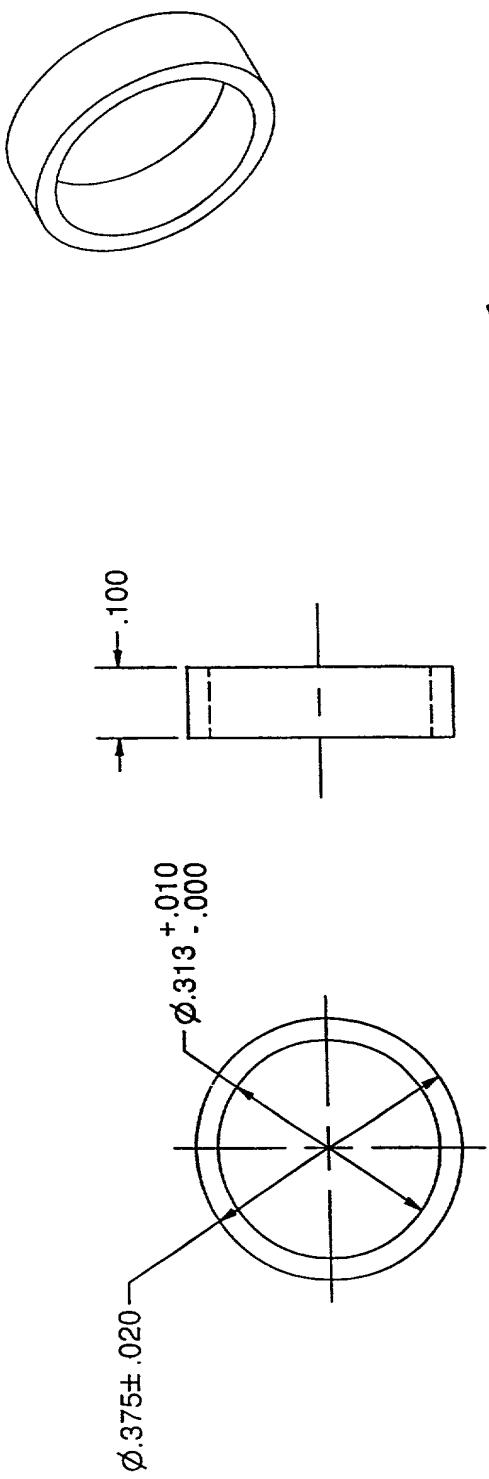
-17-

F16.7P

NOTE:
1. REMOVE ALL BURRS. BREAK ALL EDGES AND
SHARP CORNERS .01 MIN.
2. PASSIVATE PER ASTM A380.
3. PARTS TO BE CLEAN AND FREE OF OIL,
GREASE AND DIRT.

REV.	DESCRIPTION	DRWN	DATE	CHKD	APVD	ECN	TOLERANCES: .XX ±.01 .XXX ±.005	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA 52577	DRWN:	DATE:	CHKD:	APPVO:	SCALE: 4=1	PART NO.	LS-3468-1	CAD FILE # LS-3468-1.dwg
							FRACT: ±1/32 ANGLES: ±1° SLOT ANGLE PROJECTION UNLESS SPECIFIED DIMENSIONS IN INCHES ANSI Y14.5-1994	MATERIAL: STAINLESS STEEL	FINISH: SEE NOTES	TITLE: Steel Bushing - 2K	A					

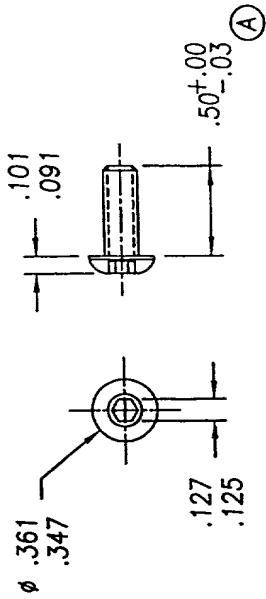
PART NO. LS-3470-1



NOTE:
1. REMOVE ALL BURRS. BREAK ALL EDGES AND SHARP
CORNERS .01 MIN.

MATERIAL SPECIFICATIONS:

1. NAME: SOCKET HEAD CAP SCREW-BUTTON HEAD
2. MATERIAL: 18-8 STAINLESS STEEL
3. SIZE: #10-24 UNC-2A X .50" LONG
4. FINISH: PASSIVATE PER ASTM A380
5. FINISH: EMPIGARD PER MUSCO MS-1005



16. 7-7

NOTE:

1. FASTENER SHALL COMPLY WITH INDUSTRIAL FASTENER INSTITUTE STANDARDS.
2. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT. A

COCO	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA 52577	DF D C A SC.
	MATERIAL: SEE ABOVE	
	FINISH: NONE	

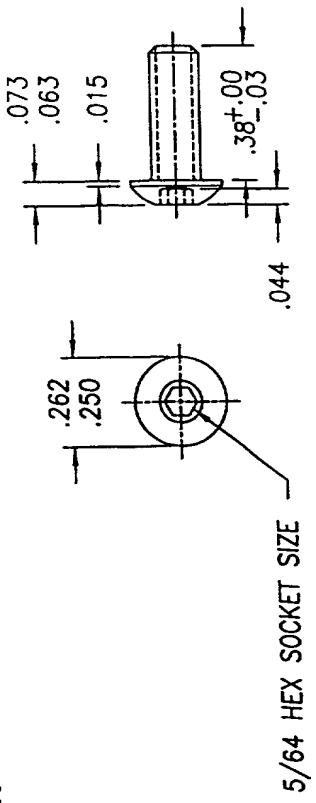
ANGLE PROJECTION ANSI Y14.5-1994	TITLE: CAP SCREW, SOCKET A #10-24 X .50" BTN HD	PART NO. HDW-1019
		CD FILE #. HDW-1019

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PART NO. HDW-1086-1

MATERIAL SPECIFICATIONS

1. NAME: BUTTON HEAD CAP SCREW
2. MATERIAL: 18-8 STAINLESS STEEL
3. SIZE: #6-32 UNC-2A X .375" LONG
4. FINISH: PASSIVATE PER ASTM A380
5. MANUFACTURER: EMPIGARD PER MUSCO MS-1005

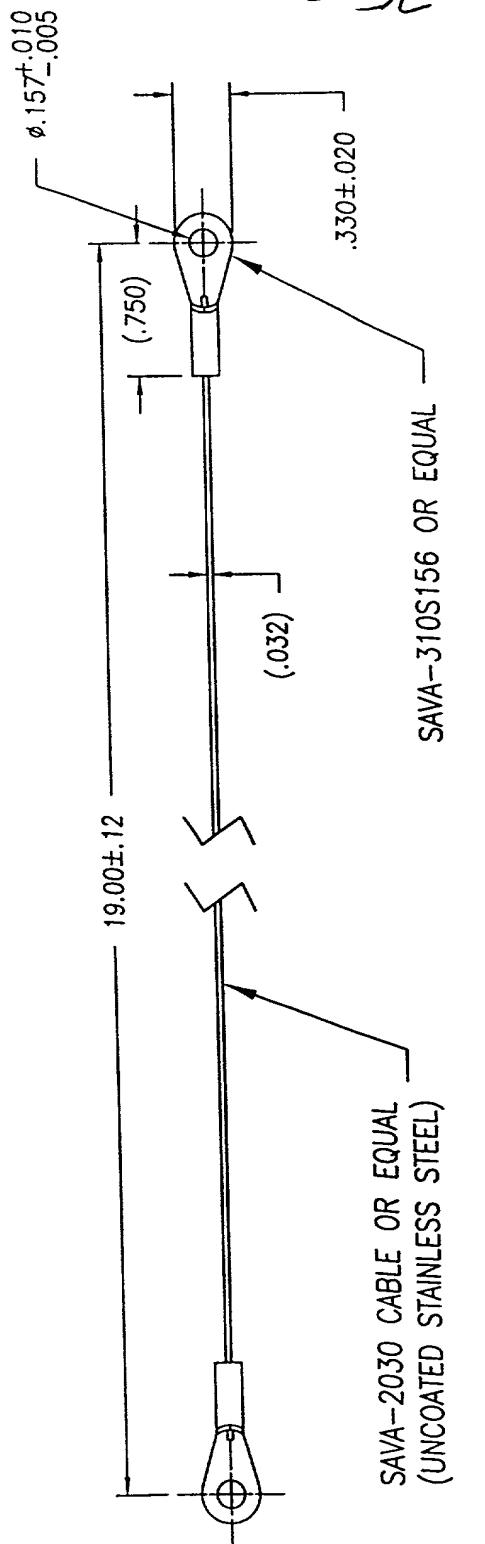


- 11 -

FIG. 7-4

NOTE: 1. FASTENER SHALL COMPLY WITH INDUSTRIAL FASTENER INSTITUTE STANDARDS.
2. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.

2. PARTS TO BE CLEAN AND FREE OF OIL, OZONE, DUST, DIRT, AND PARTICLE CONTAMINATION		MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA 52577	
		MATERIAL: SEE NOTE	
TOLERANCES: XX $\pm .01$ XXX $\pm .005$		FINISH: SEE NOTE	
REV. : --		FRACT: $\pm 1/32$ ANGLES: $\pm 1^\circ$	
3D ANGLE PROJECTION ANSI Y14.5-1994		TITLE: 6-32 X 3/8 BUTTON UNLESS SPECIFIED DIMENSIONS IN INCHES	
The manufacturer, distributor, and/or user assume all responsibility for the use of this drawing or use of this information for anything other than its intended purpose or to the project, without the written permission of Musco Lighting, Inc. is prohibited.		HEAD CAP SCREW	
PART NO. HDW-1086-1		C0 FILE # HDW-1086-1	



F10. 7. ✓

NOTE:
1. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.

COO	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA 52577	E	APPVD:	SCALE: 1=1
TOLERANCES:	MATERIAL: SEE ABOVE	C	PART NO.	LS-3478-1
XX ±.01 XX ±.005	FINISH:	A	TITLE: RETAINING CABLE	C0 FILE # LS-3478-1
FRAC: ± 1/32 ANGLES: ± 1° UNLESS SPECIFIED DIMENSIONS IN INCHES	3RD ANGLE PROJECTION ANSI Y14.5-1984	D		

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MATERIAL SPECIFICATIONS:

1. NAME: LOCKNUT, TOPLOCK DEFORMED THREAD
2. MATERIAL: 18-8 STAINLESS STEEL
3. SIZE: #6-32
4. FINISH: PASSIVATE PER ASTM A380.

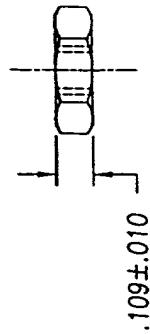
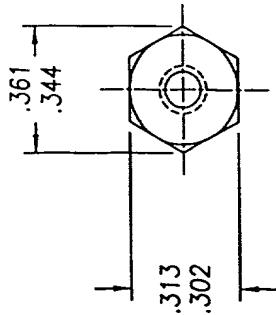


FIG. 7 W

		MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSKALOOSA, IA 52377 MATERIAL: SEE ABOVE FINISH: SEE ABOVE	
TOLERANCES:		FRACT: $\pm 1/32$	TITLE: LOCKNUT, TOPLOCK
.XX	$\pm .01$	ANGLES: $\pm 1^\circ$	DEFORMED THREAD - #6-32
.XXX	$\pm .005$	UNLESS SPECIFIED DIMENSIONS IN INCHES	ANSI Y14.5-1984

NOTE: 1. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.

The 1000 word review of the 2000 book *How to Write a Book* by *John C. Maxwell* is available at www.1000wordreview.com.

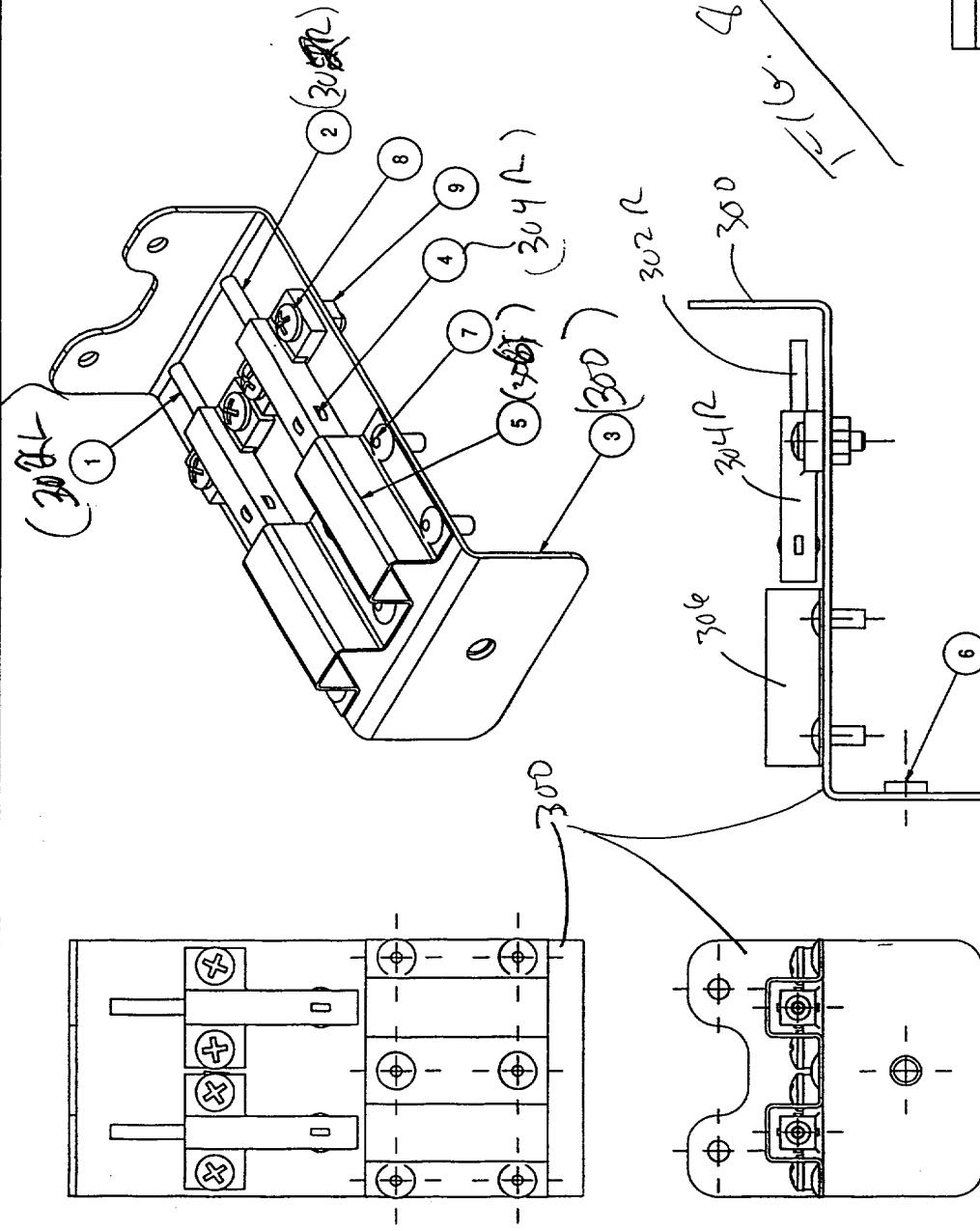
PART NO.

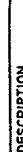
LS-3405-1

BILL OF MATERIALS PER UNIT

BILL OF MATERIALS PER UNIT

BILL OF MATERIALS PER UNIT			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Ls-1661bk-11	Wire Assembly Black Pin/Strip 11"
2	1	Ls-1661tw-11	Wire Assembly White Pin/Strip 11"
3	1	Ls-3490-1	Connector Bracket - 2K
4	2	Ls-3420-1	CONNECTOR HOUSING
5	1	Ls-3492-1	Connector Guide - 2K
6	1	Ls-255	Perm nut 10-24.
7	6	Hdw-1052	Pop rivet 5/32" dia.
8	4	Hdw-1022	Screw 8-32 x 1/2 pan head
9	4	Hdw-1015	Locknut 8-32



REV.	DESCRIPTION	DRWN.	DATE	CHK
	MANUFACTURING: MUSCATINE, IA S2761 CORPORATE OFFICE: OSKALOOSA, IA S2577			A S P
	MATERIAL: SEE ABOVE			
	FINISH: NONE			
	TITLE: Connector Assembly - 2K			
	 TOLERANCES: .XX ± .01 .XXX ± .005 FRACTION: 1/16" 1/32" 1/64" UNLESS SPECIFIED DIMENSIONS IN INCHES			

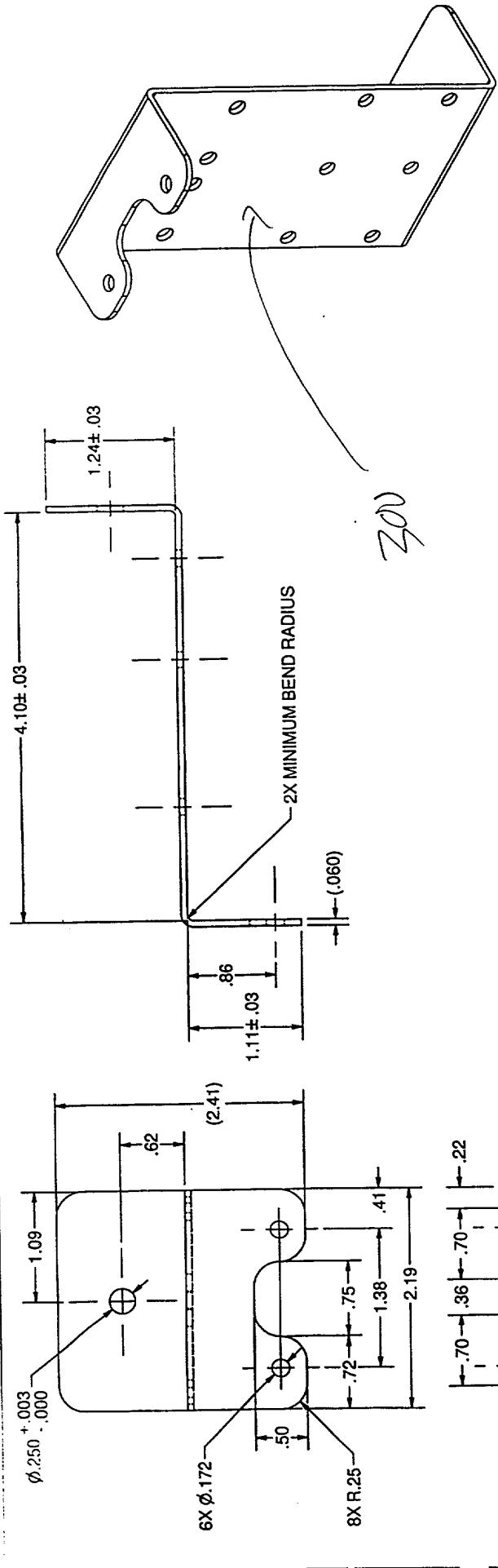
.XXX 8.005		TITLE: Connector Assembly - 2K		PART NO. LS-3405-1
 200	1/16	1/16	1/16	
200 ANGLES: 1 ^o 1/16 ANGLE PROJECTION 1/16 DIMENSIONS IN INCHES				
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MECO, LTD., 1000 1/2 10TH AVENUE, SUITE 100, VANCOUVER, BRITISH COLUMBIA, V6E 2R5, CANADA				

NOTE:

1. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.
2. TORQUE ITEM 9 TO ?? INCH POUNDS.

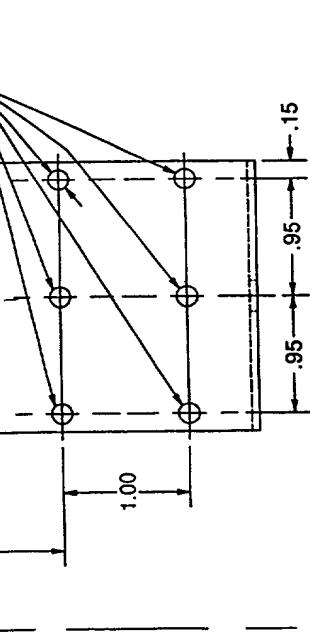
THE
TECH
LIGHTNING
THUNDER
MUSICAL

Music can connect a mind.

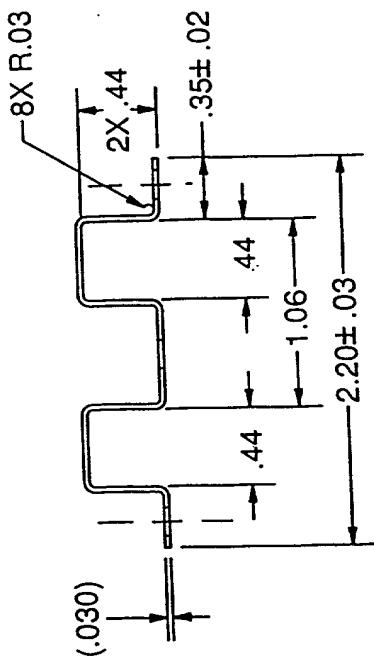
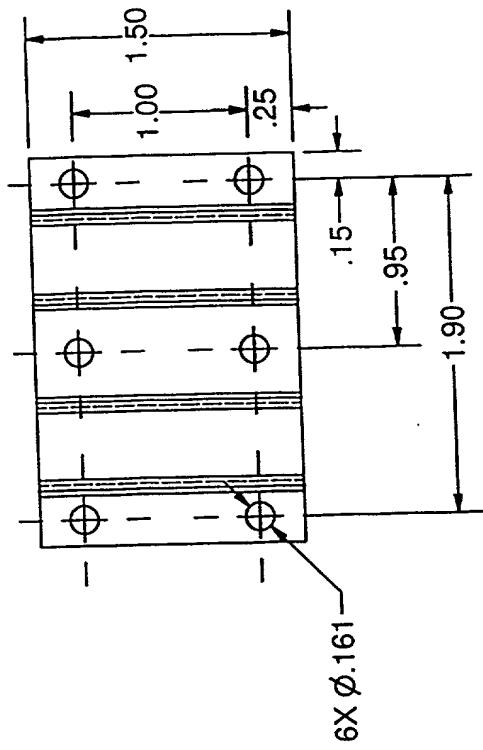
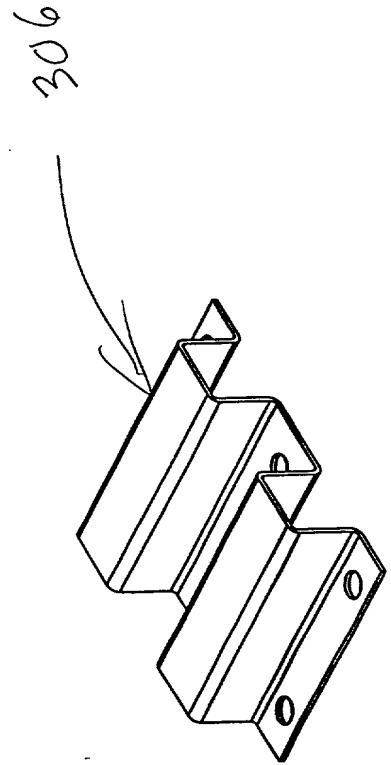


NOTE:

1. REMOVE ALL BURRS. BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F, TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
3. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.



REV.	DESCRIPTION	DRWNS	DATE
0000	Connector Bracket	1	DA
	Manufacturing: Muscatine, IA 52641 Corporate Office: Oskaloosa, IA 52577		
	MATERIAL: .060 THK ALUMINUM 5052-H32		
	FINISH: SEE NOTES		
	TITLE: Connector Bracket - 2K	B	PART NO. LS-3490-1
	ANSI Y14.5-1994		CAD FILE # LS-3490-1.gd
	2X ANGLE PROJECTION UNLESS SPECIFIED DIMENSIONS IN INCHES		



NOTE:

1. REMOVE ALL BURRS. BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F, TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
3. PARTS TO BE CLEAN AND FREE OF OIL, GREASE AND DIRT.

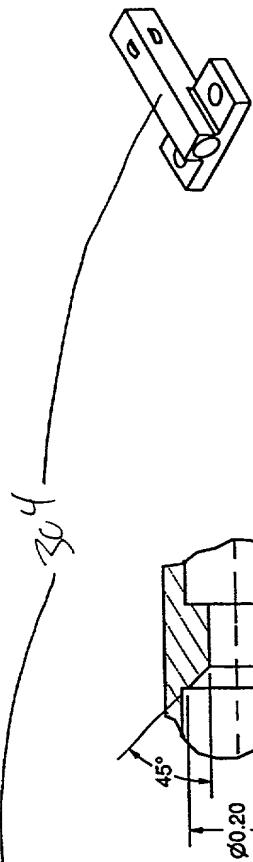
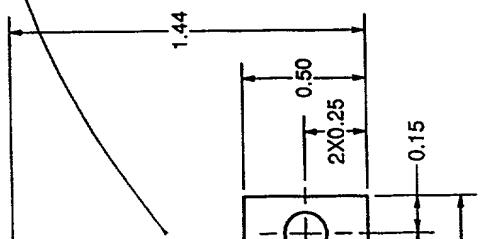
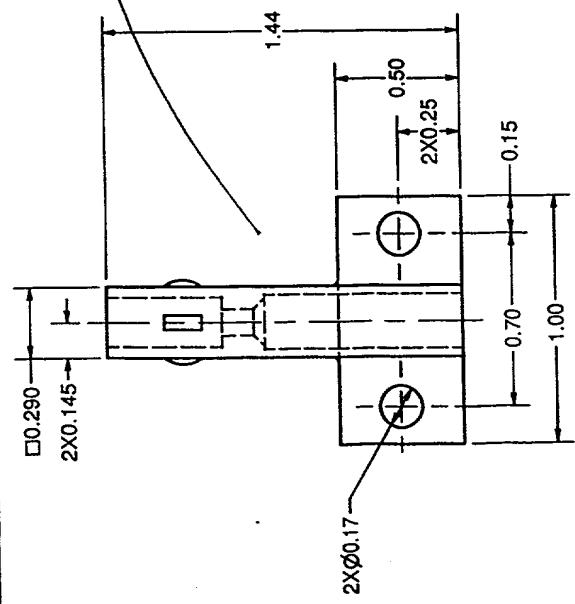
REV. DESCRIPTION	DRVN	DATE	CHKD	APVD	ECN	 Musco Lighting	TOLERANCES:	MANUFACTURING: MUSCATINE, IA 52761		DRWN:
								CORPORATE OFFICE: OSKALOOSA, IA 52577		DATE:
REV. DESCRIPTION	DRVN	DATE	CHKD	APVD	ECN	 Musco Lighting	TOLERANCES:	MATERIAL: .030 THK ALUMINUM		CHKD:
								MATERIAL: .030 THK ALUMINUM		APVD:
REV. DESCRIPTION	DRVN	DATE	CHKD	APVD	ECN	 Musco Lighting	TOLERANCES:	FINISH: SEE NOTES		SCALE:
								FINISH: SEE NOTES		PART NO.
										LS-3492-1
										CAD FILE #: LS-3492-1.IPL

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UNLESS SPECIFIED
DIMENSIONS IN INCHES
ANSI Y14.5-1984

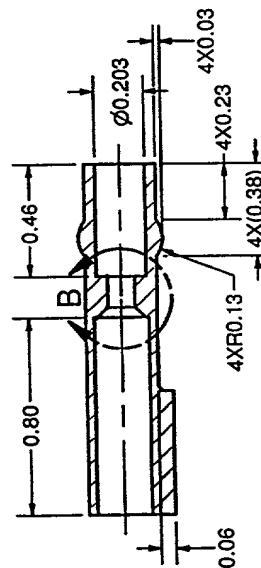
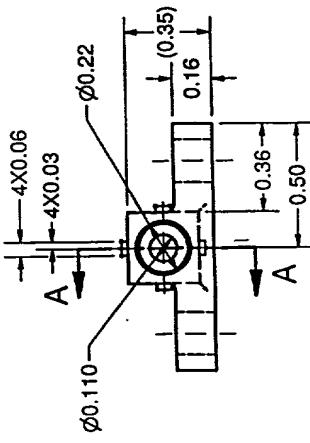
FIGURE 8D
2K FIXTURE CONNECTOR

PART NO.
LS-3420-1



Scale 1 : 1

Detail B
Scale 4 : 1



Section A-A
Scale 2 : 1

FIG. 8D

REV. D	DESCRIPTION	27/11/01	DATE	C
00002	MANUFACTURER: VINS. K. E. & S. LTD. CORPORATE: LTD. 27/11/94 14.5.257			
	MATERIAL: STANYL TW300/TW341			
	FINISH: NONE			
	TITLE: 2K Fixture Connector	A	MR. 'C'	2=1
	TOLEANCES			
	XX \pm 0.06			
	XXX \pm 0.05			
	FRAC \pm 1/32			
	ANGLES \pm 1°			
	UNLESS SPECIFIED ANSI Y14.5-1984 DIMENSIONS IN INCHES			

NOTE:

1. REMOVE ALL BURRS. BREAK ALL EDGES AND SHARP CORNERS .01 MIN.
2. ALL FILLETS AND RADII .03 UNLESS NOTED OTHERWISE.

CAD FILE: LS-3420-1.DWG

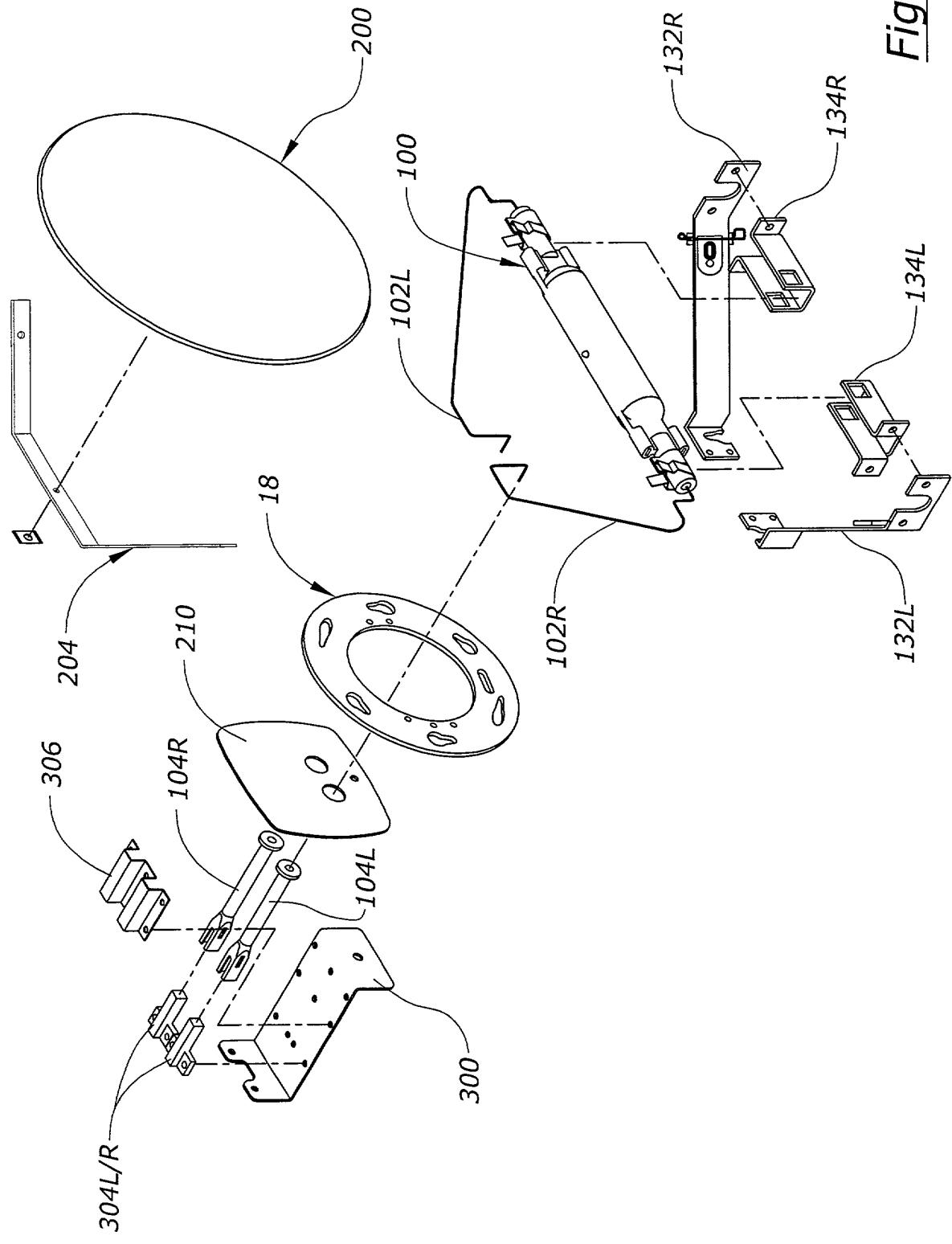


Fig. 9A

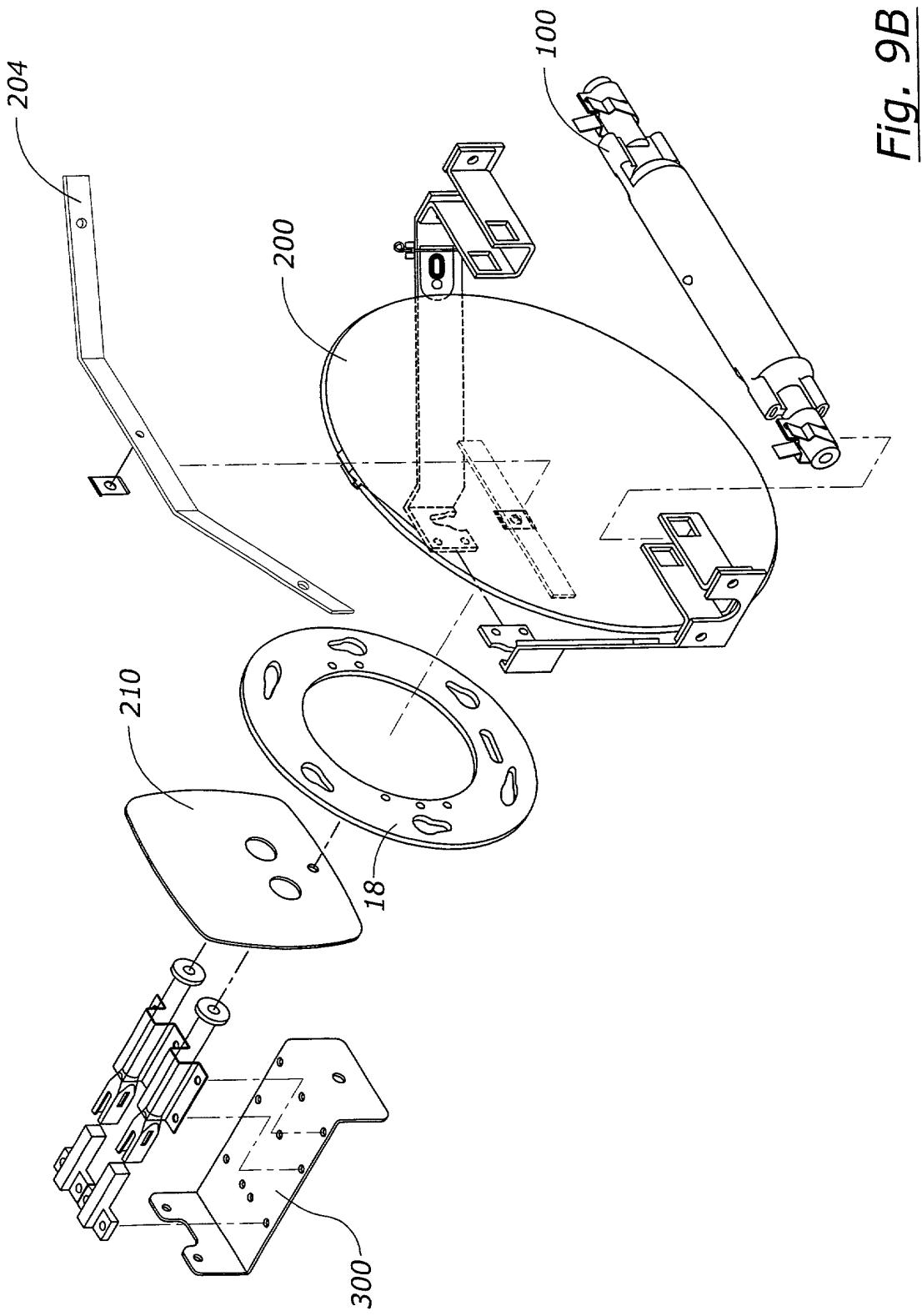


Fig. 9B

PART NO.
LS-3496-1

218

2X R10.00

4X R5.88

1.06

1.60

2X R5.93

3.92±.02

1.31

.42

(.060)

φ.203±.010

φ.625±.010

4.26±.02

2.13

516.96

ES

NOTE:
 1. REMOVE ALL BURRS. BREAK ALL EDGES AND
 SHARP CORNERS .01 MIN.
 2. FINISH: ANODIZE PER MIL SPEC MIL-A-8625F,
 TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
 3. PART TO BE CLEAN AND FREE OF OIL,
 GREASE AND DIRT.

REV.	DESCRIPTION	DRAWN	DATE	CHK
000	MANUFACTURING: MUSCATINE, IA 52761 CORPORATE OFFICE: OSAKA, JAPAN 52577			
1	MATERIAL: .060 THK. ALUMINUM 5052-H32			
	TOLERANCES: .00 ± .005			
	FINISH: SEE NOTES			
	SCALE: 1=1			
	TITLE: Aluminum Firewall - 2K			
	PART NO. LS-3496-1			

PRINTED 11-17-94

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11/32

ANGLES: 15°

LESS SPECIFIED

UNLESS SPECIFIED

DIMENSIONS IN INCHES

ANSI Y14.5-1984

3D ANGLE PROJECTION